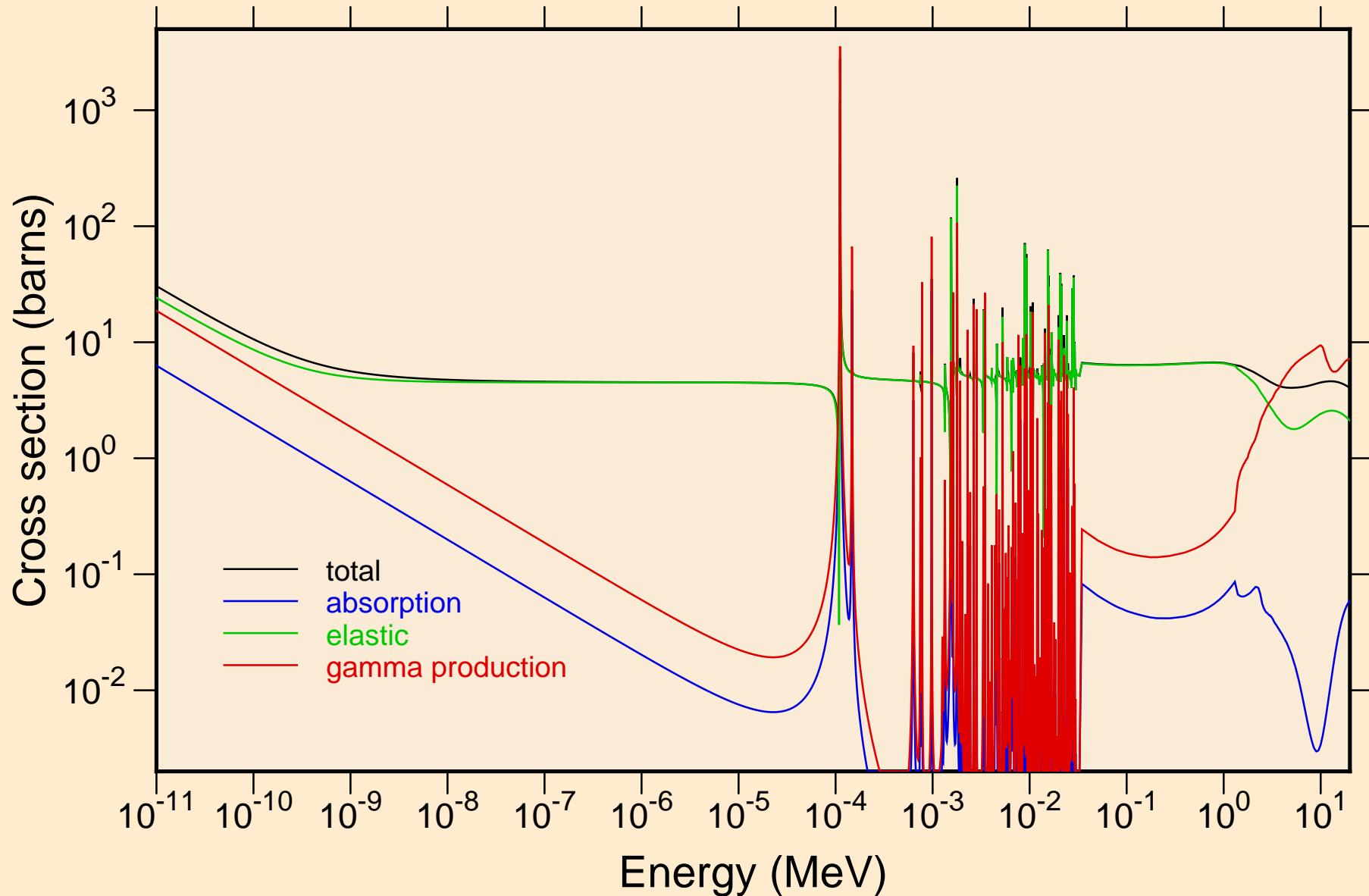
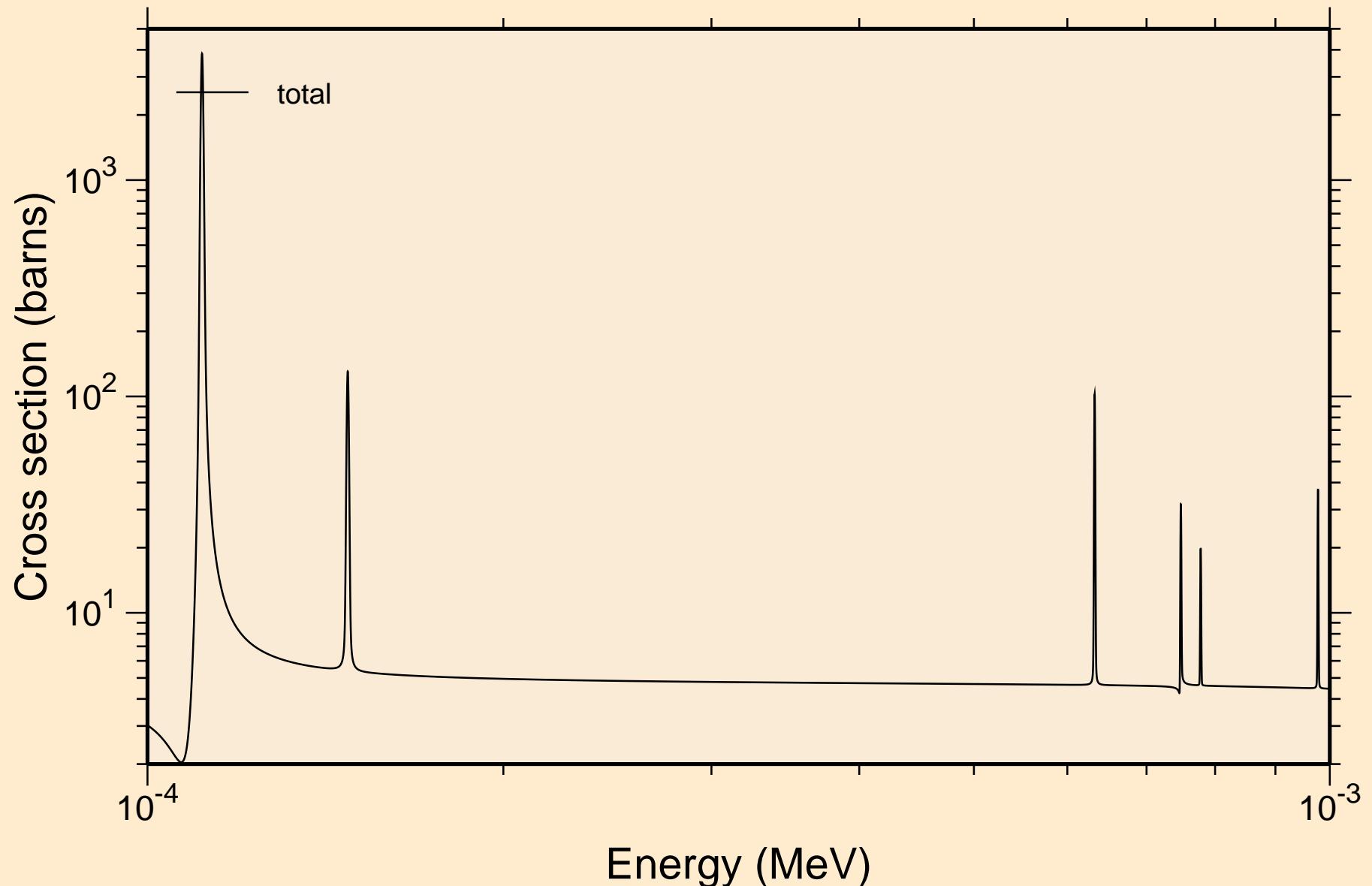


# JENDL-4 SN-116

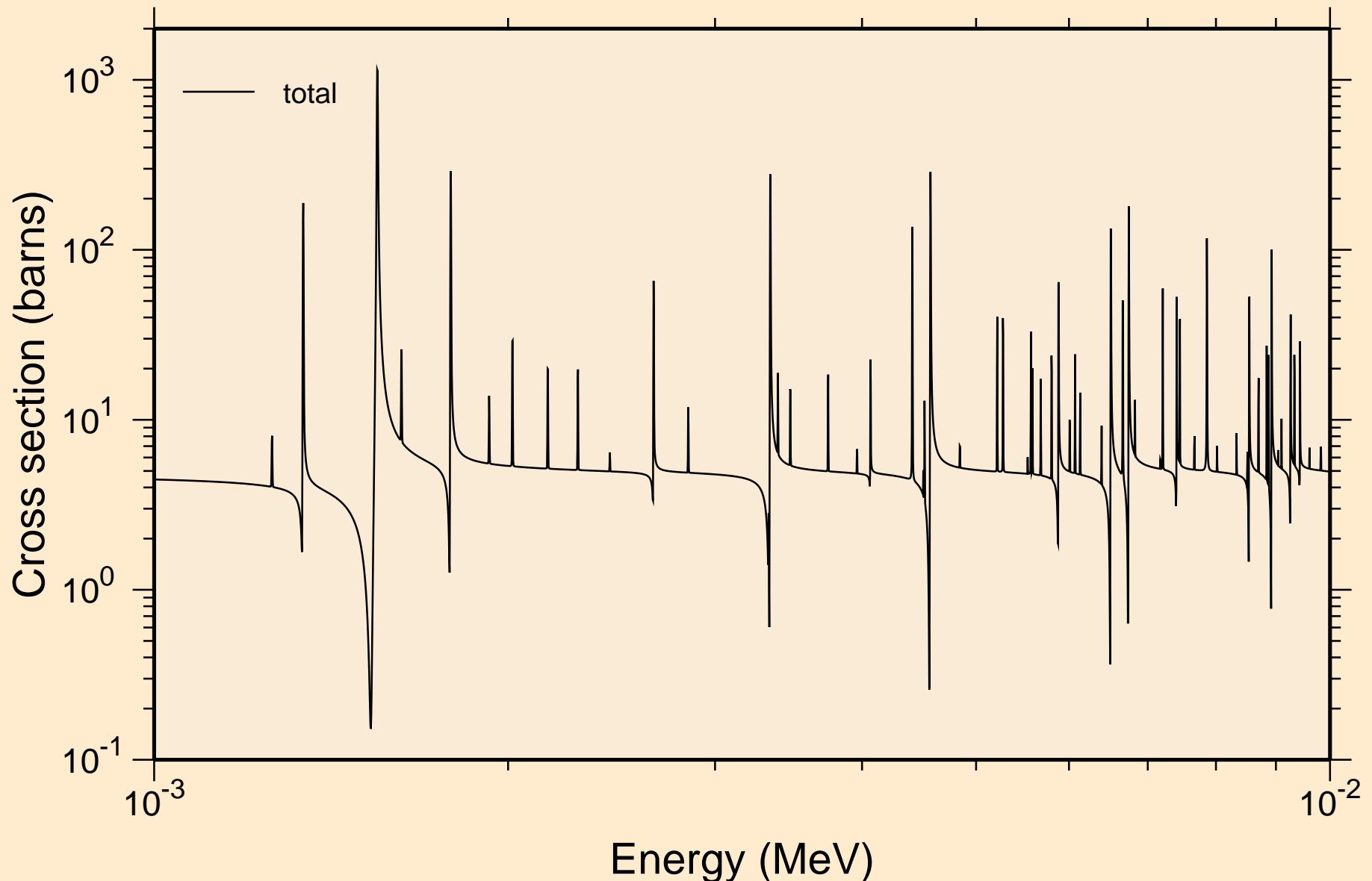
## Principal cross sections



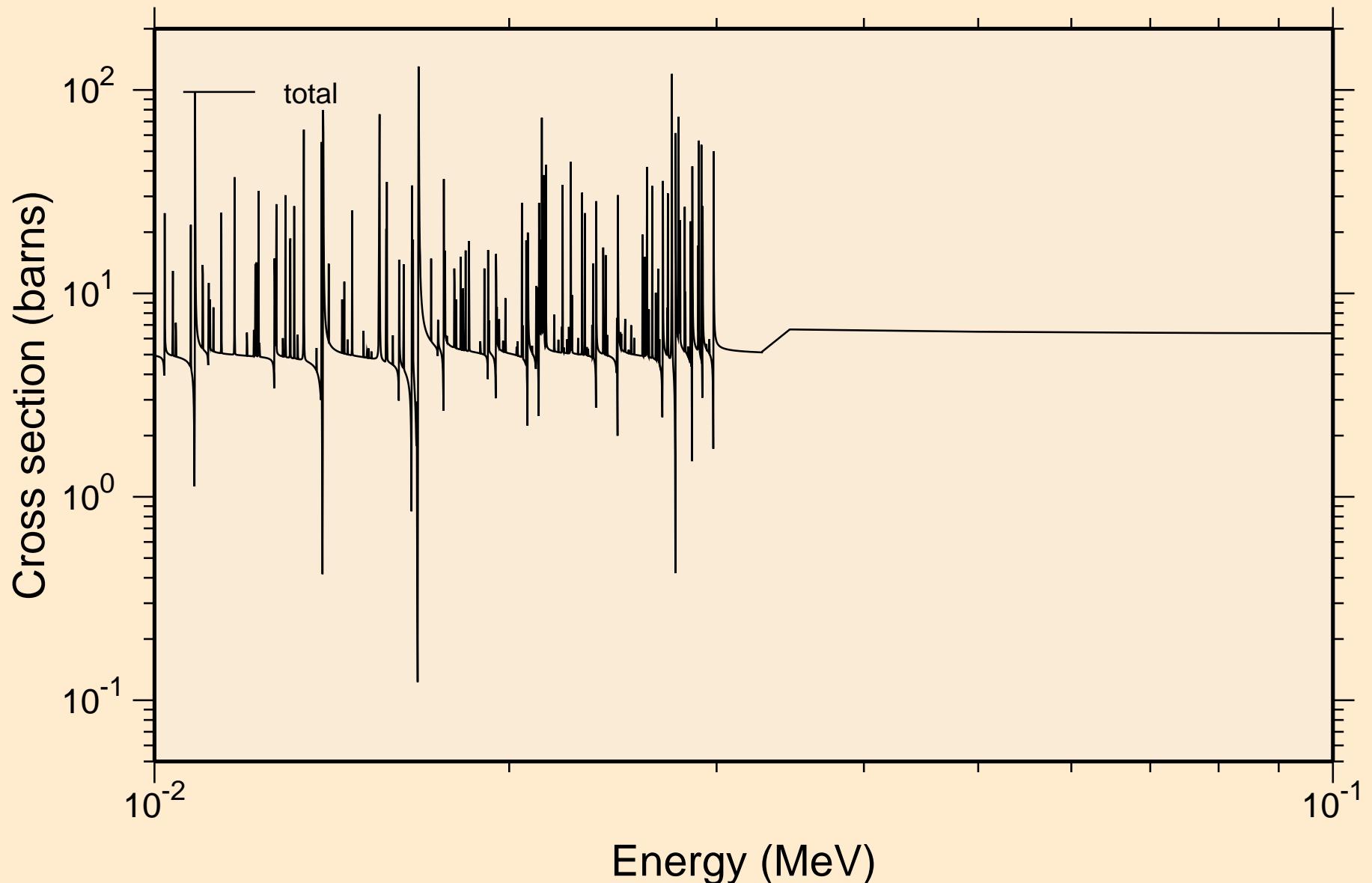
JENDL-4 SN-116  
resonance total cross section



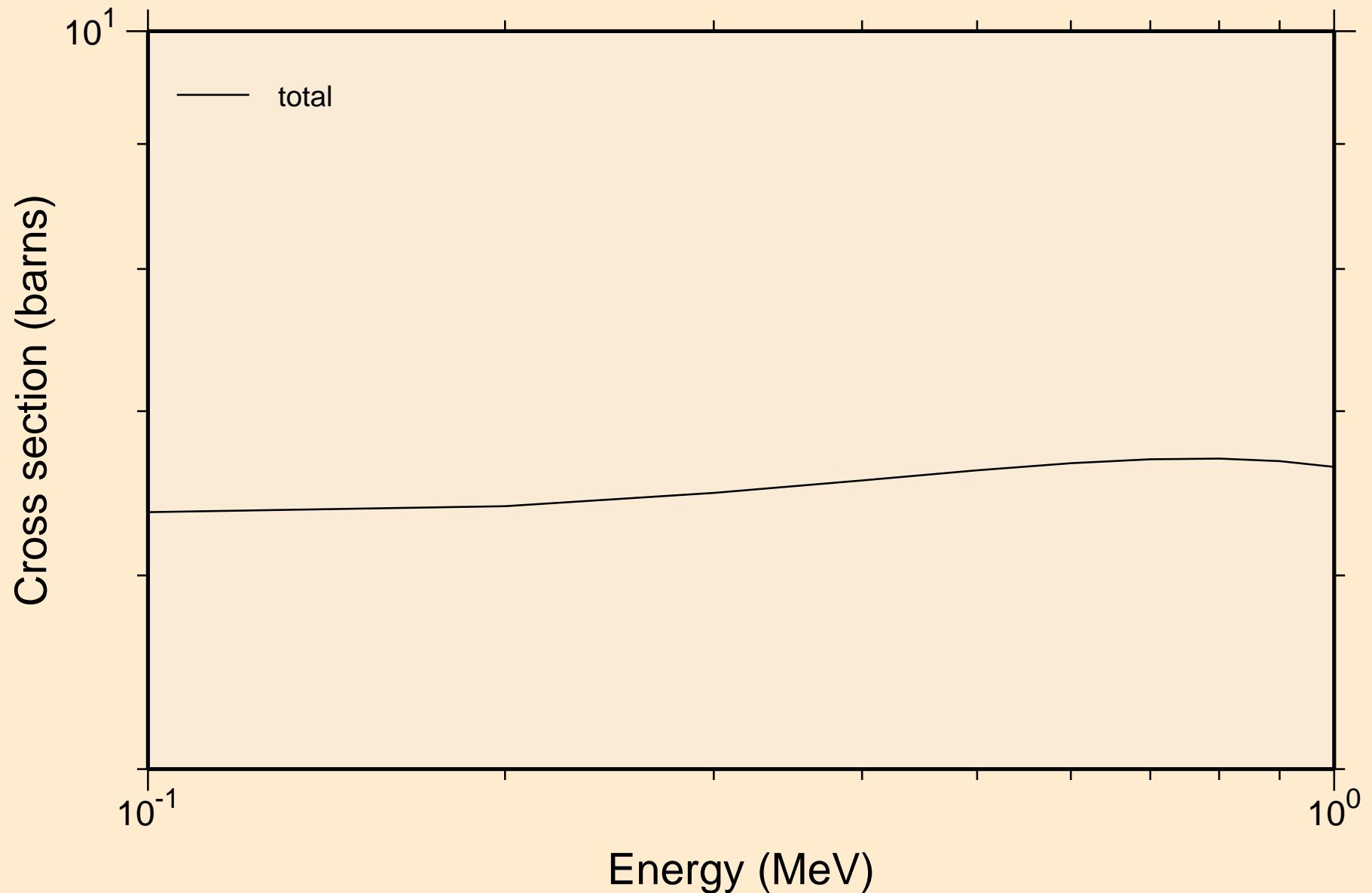
JENDL-4 SN-116  
resonance total cross section



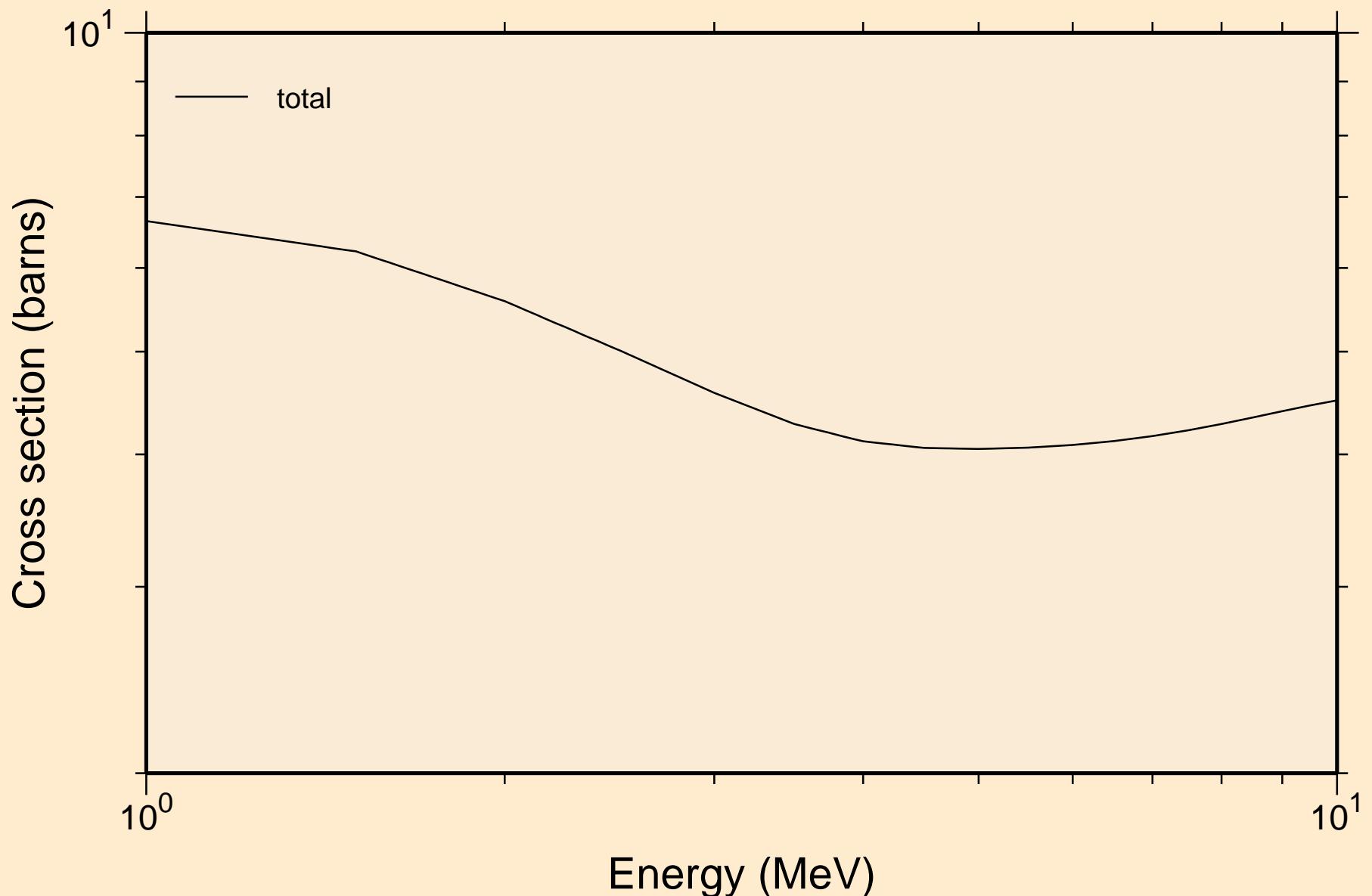
JENDL-4 SN-116  
resonance total cross section



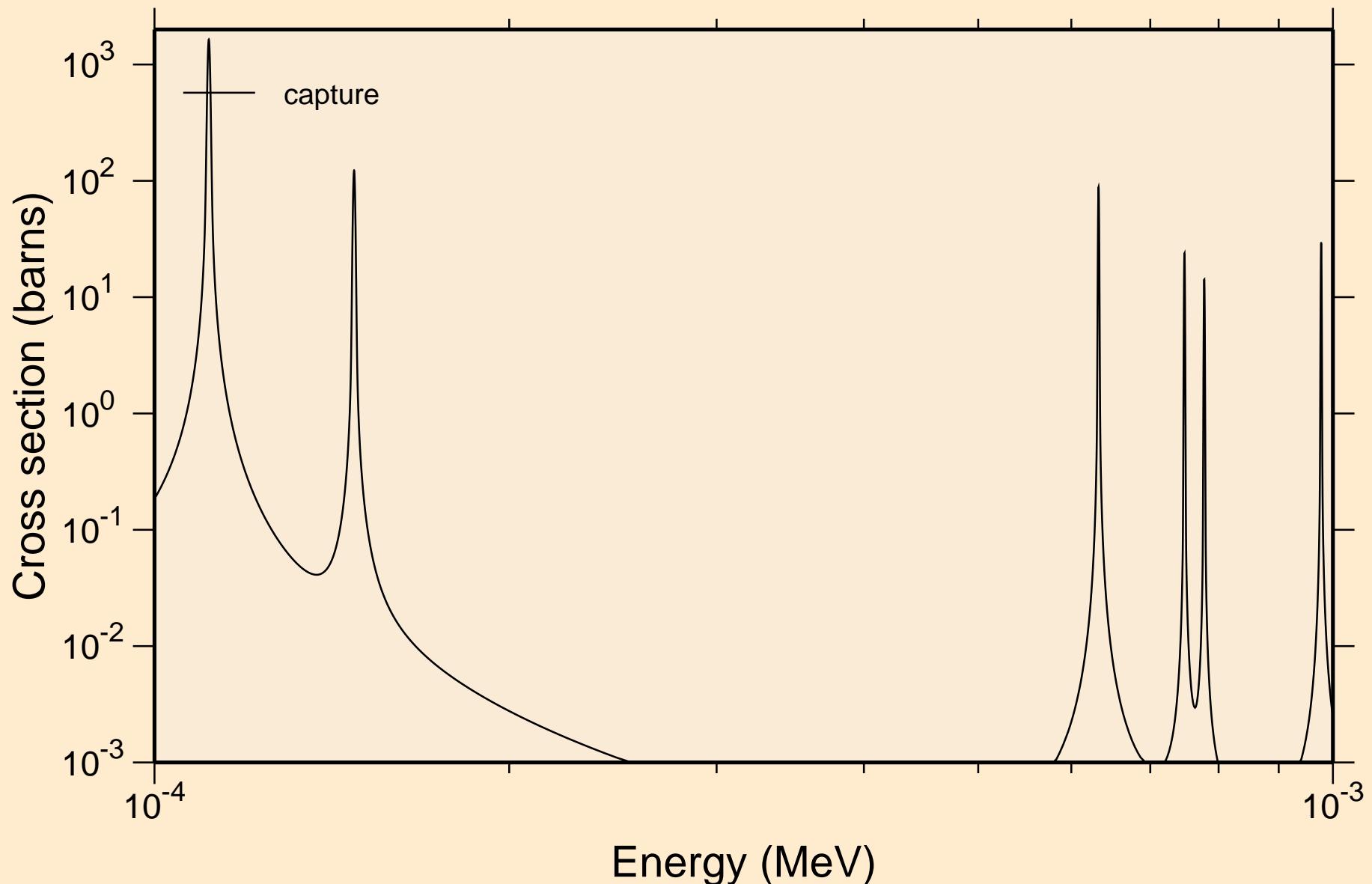
JENDL-4 SN-116  
resonance total cross section



JENDL-4 SN-116  
resonance total cross section

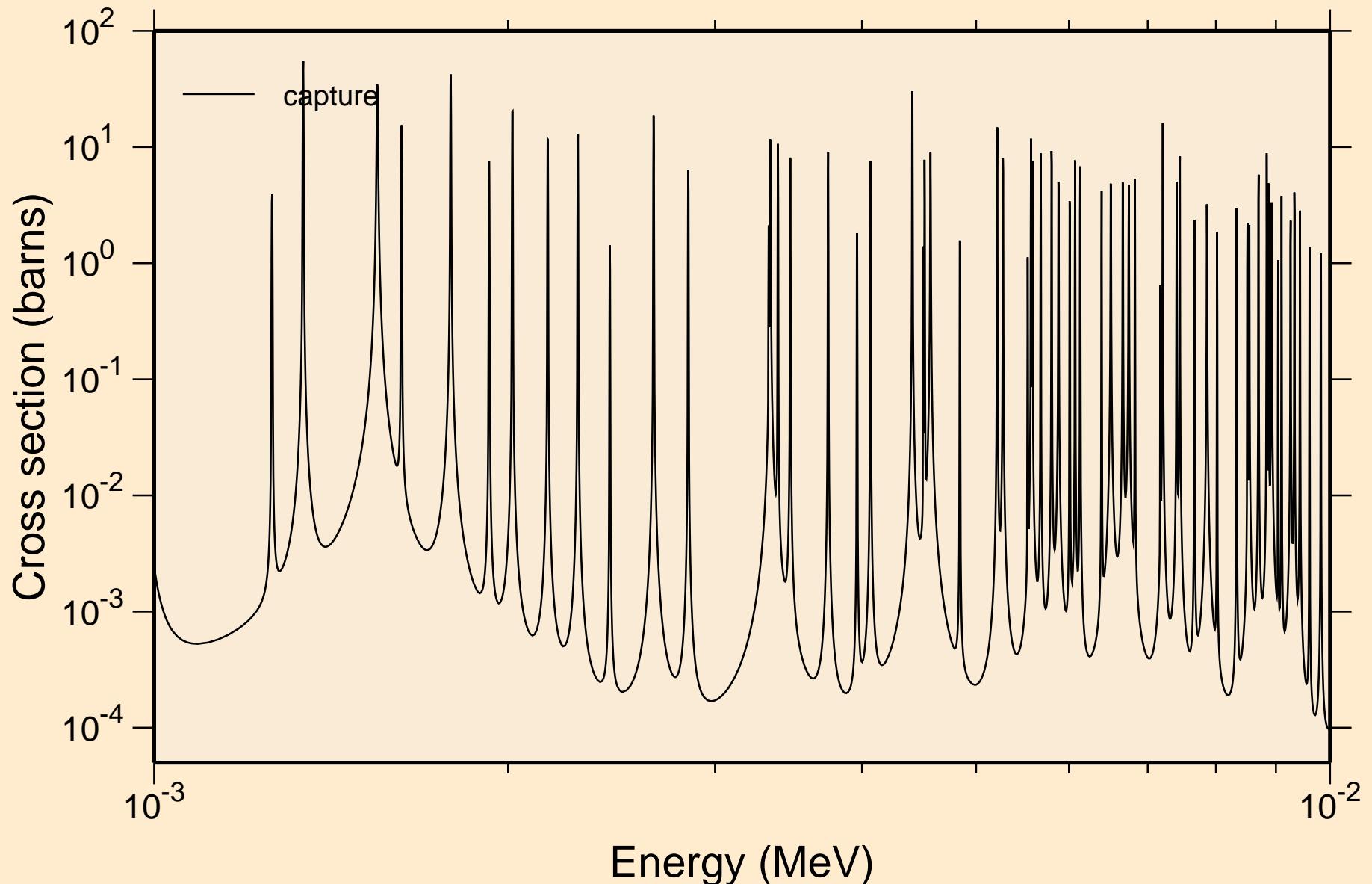


JENDL-4 SN-116  
resonance absorption cross sections



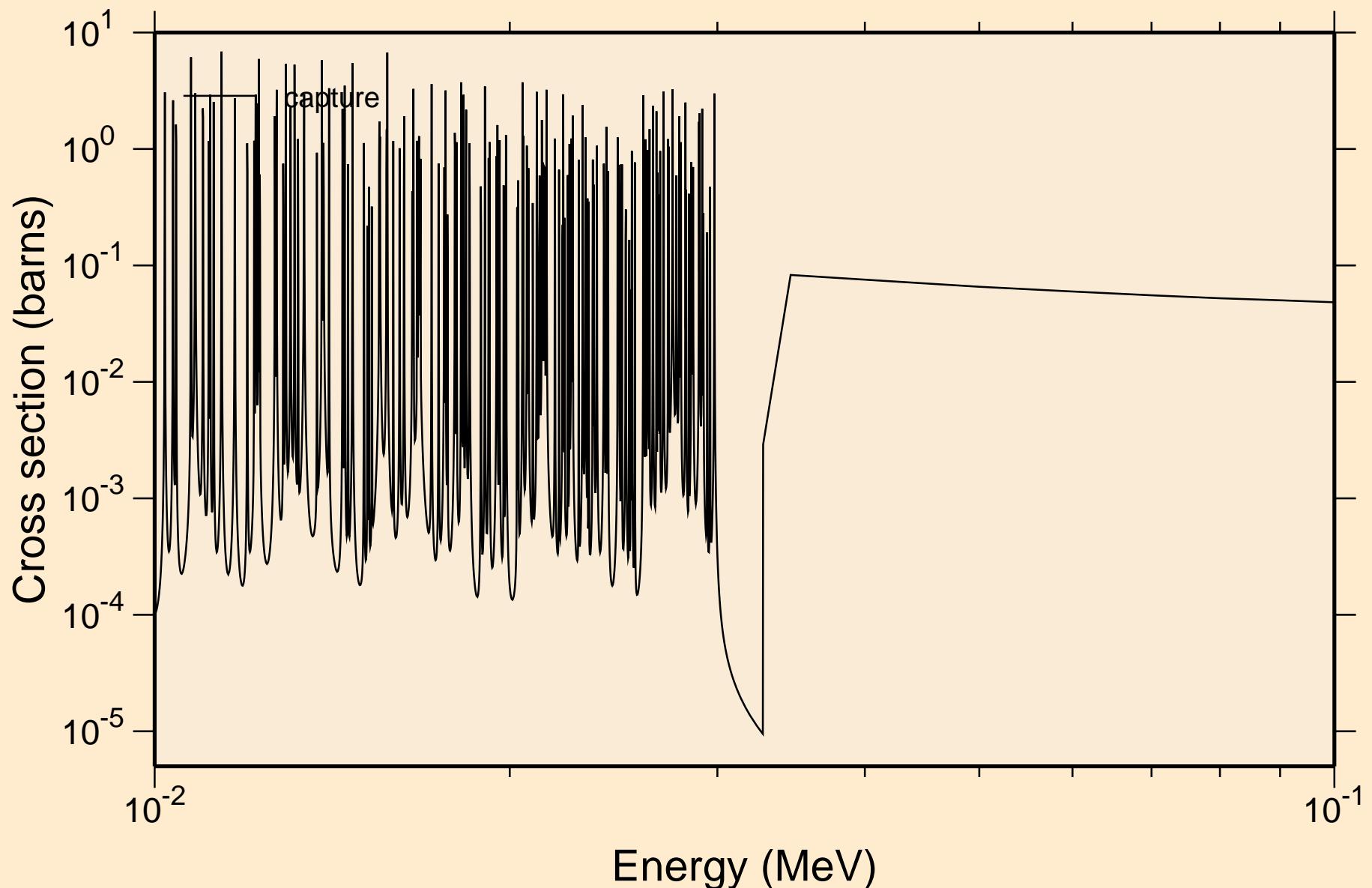
# JENDL-4 SN-116

## resonance absorption cross sections

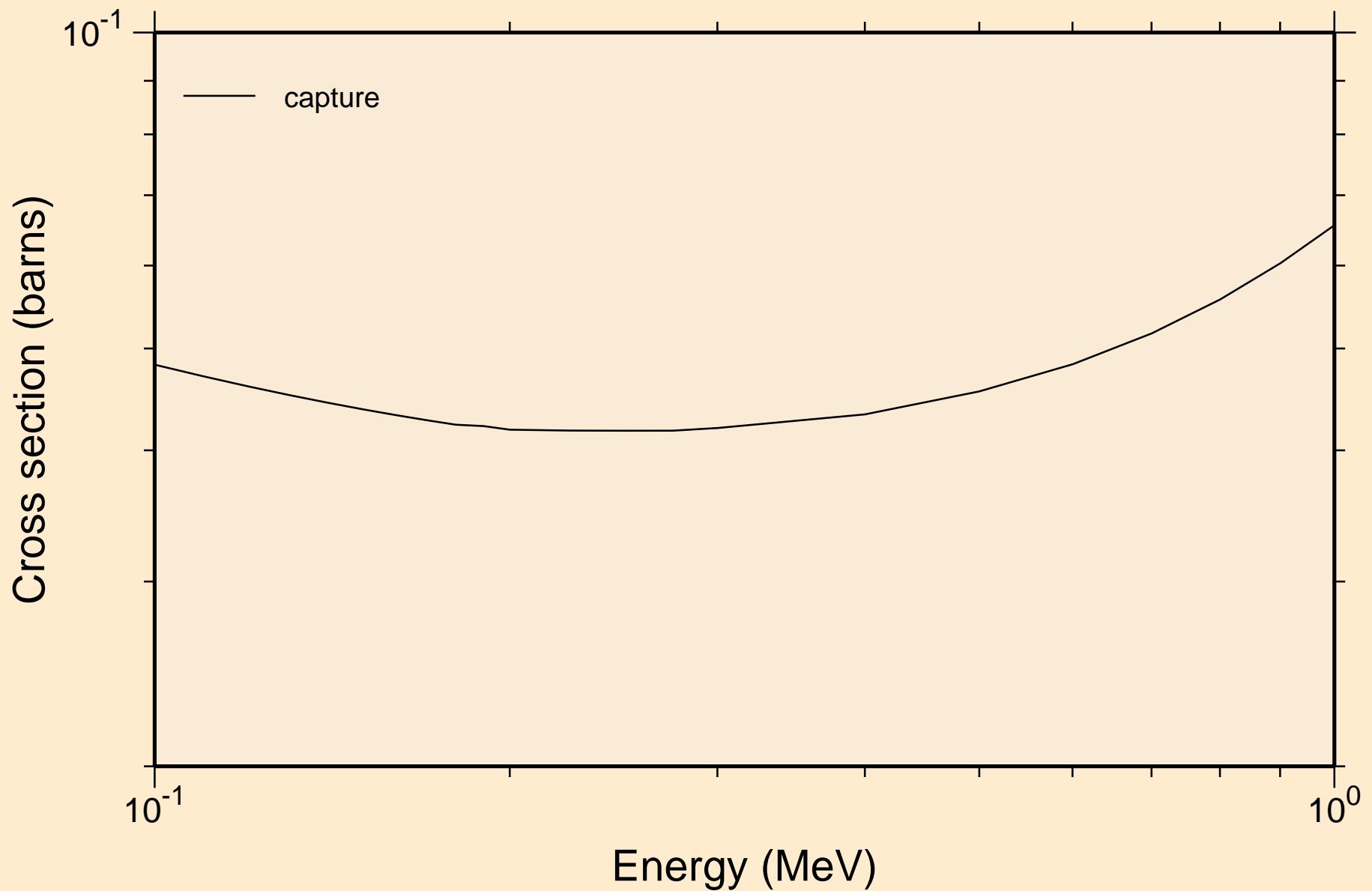


# JENDL-4 SN-116

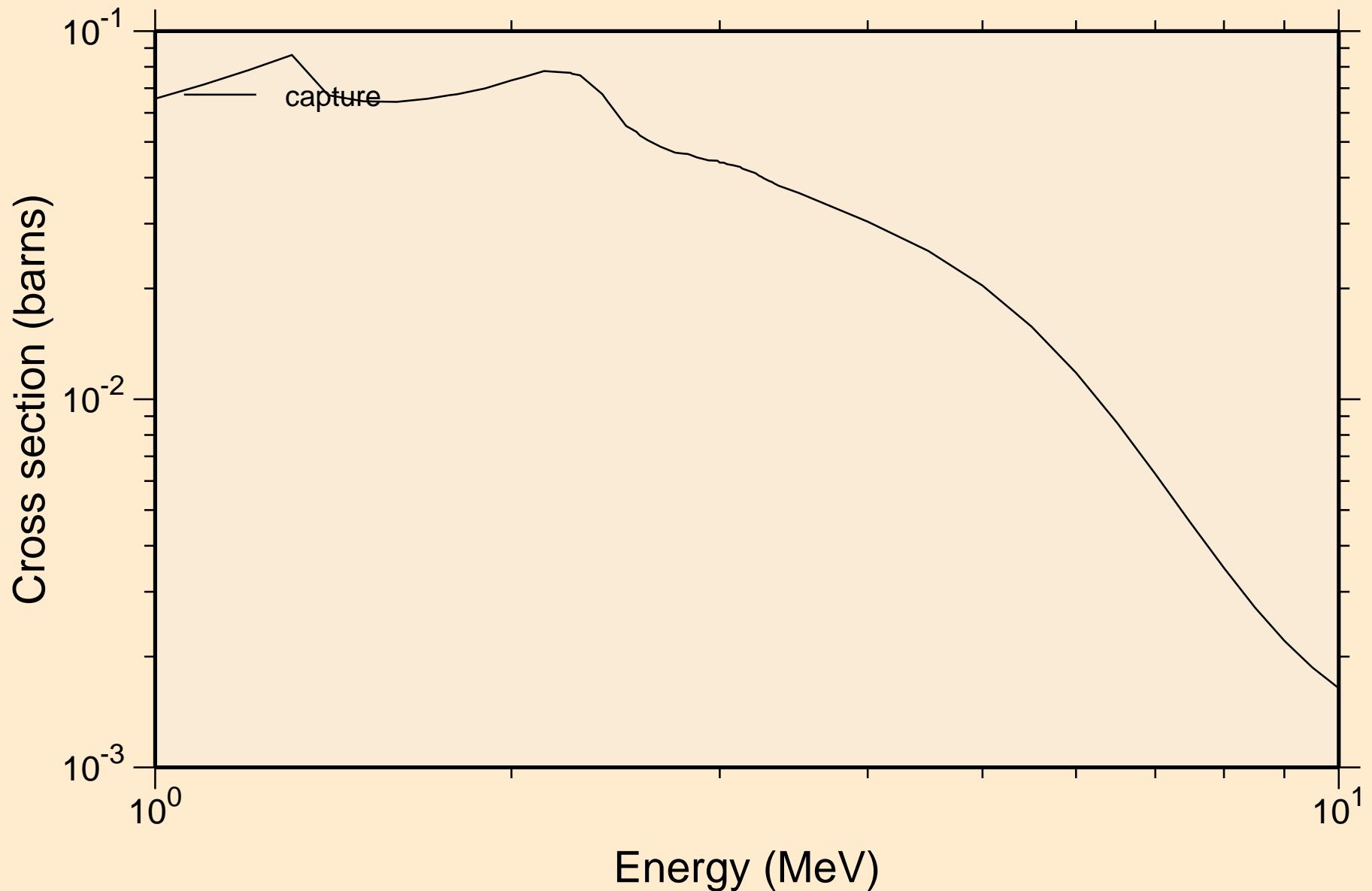
## resonance absorption cross sections



JENDL-4 SN-116  
resonance absorption cross sections

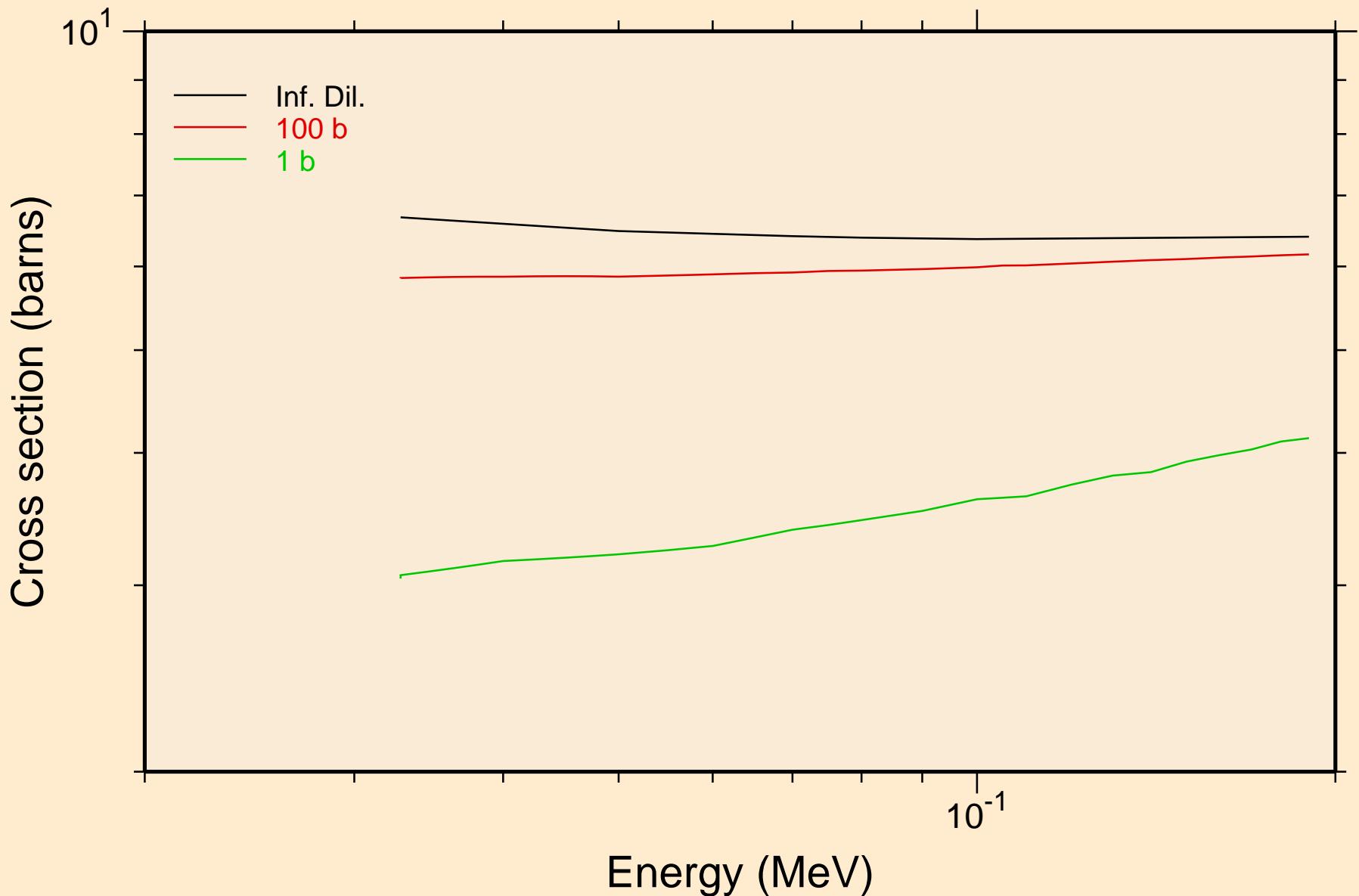


JENDL-4 SN-116  
resonance absorption cross sections



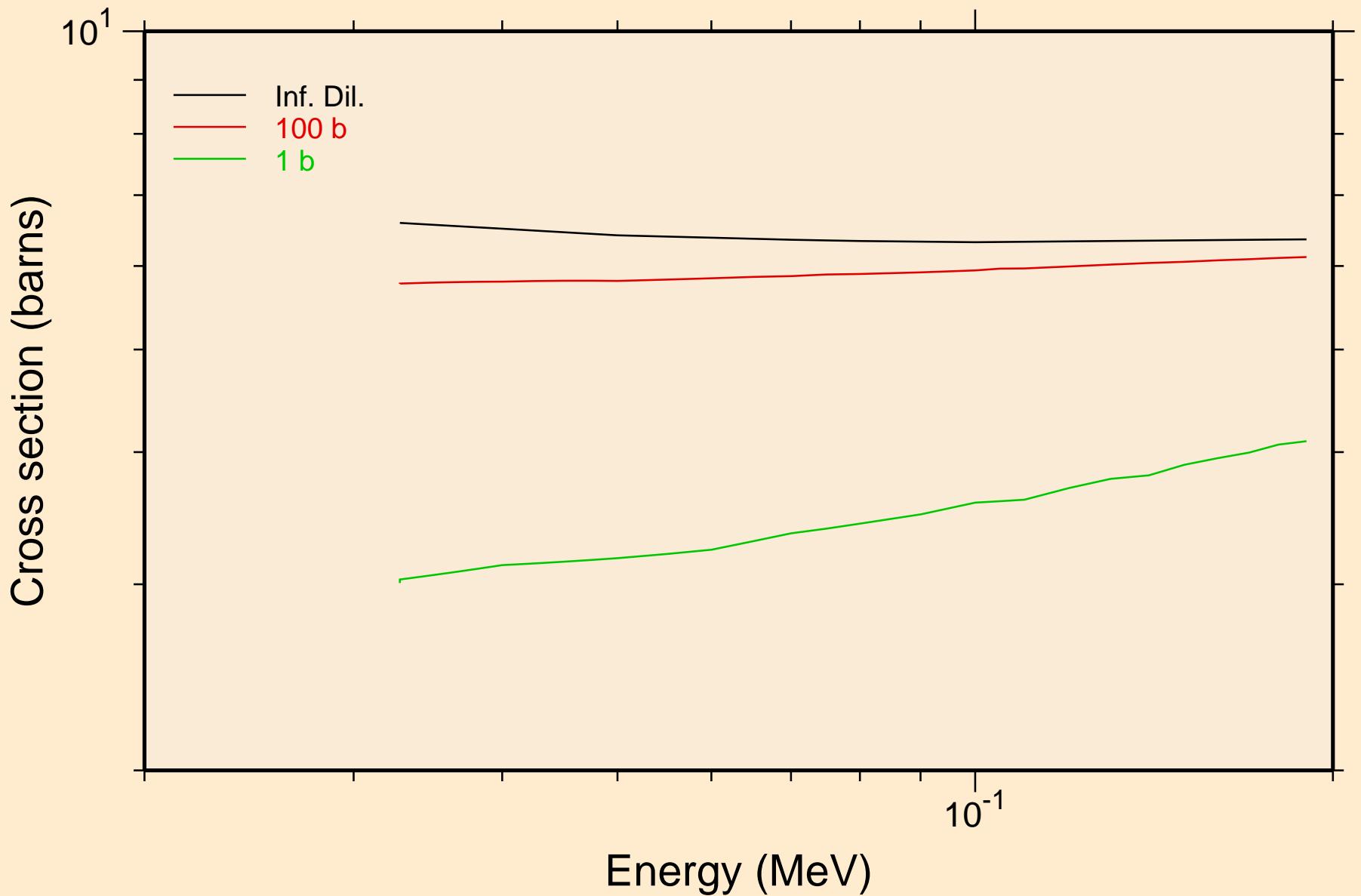
# JENDL-4 SN-116

## UR total cross section



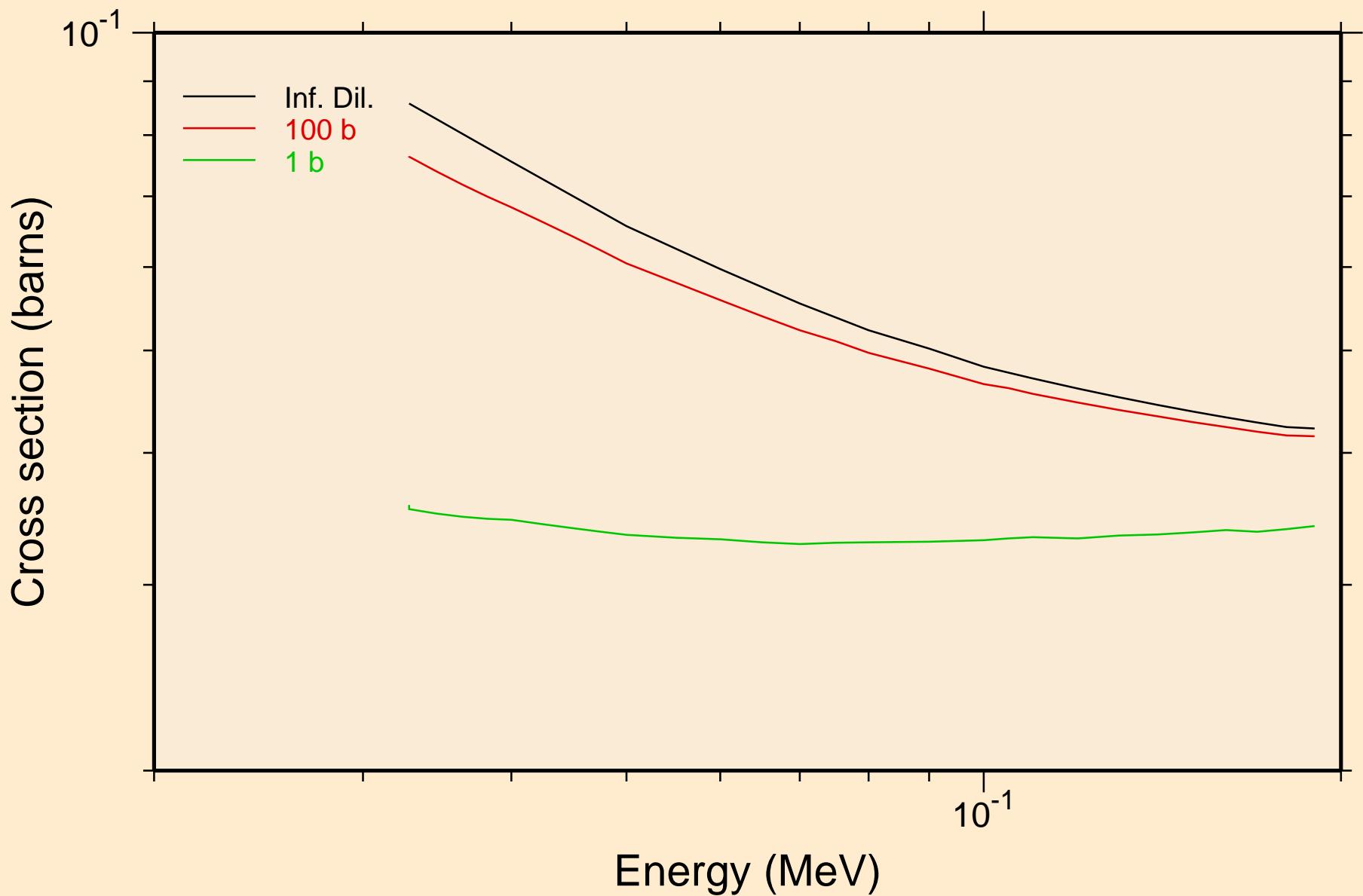
# JENDL-4 SN-116

## UR elastic cross section

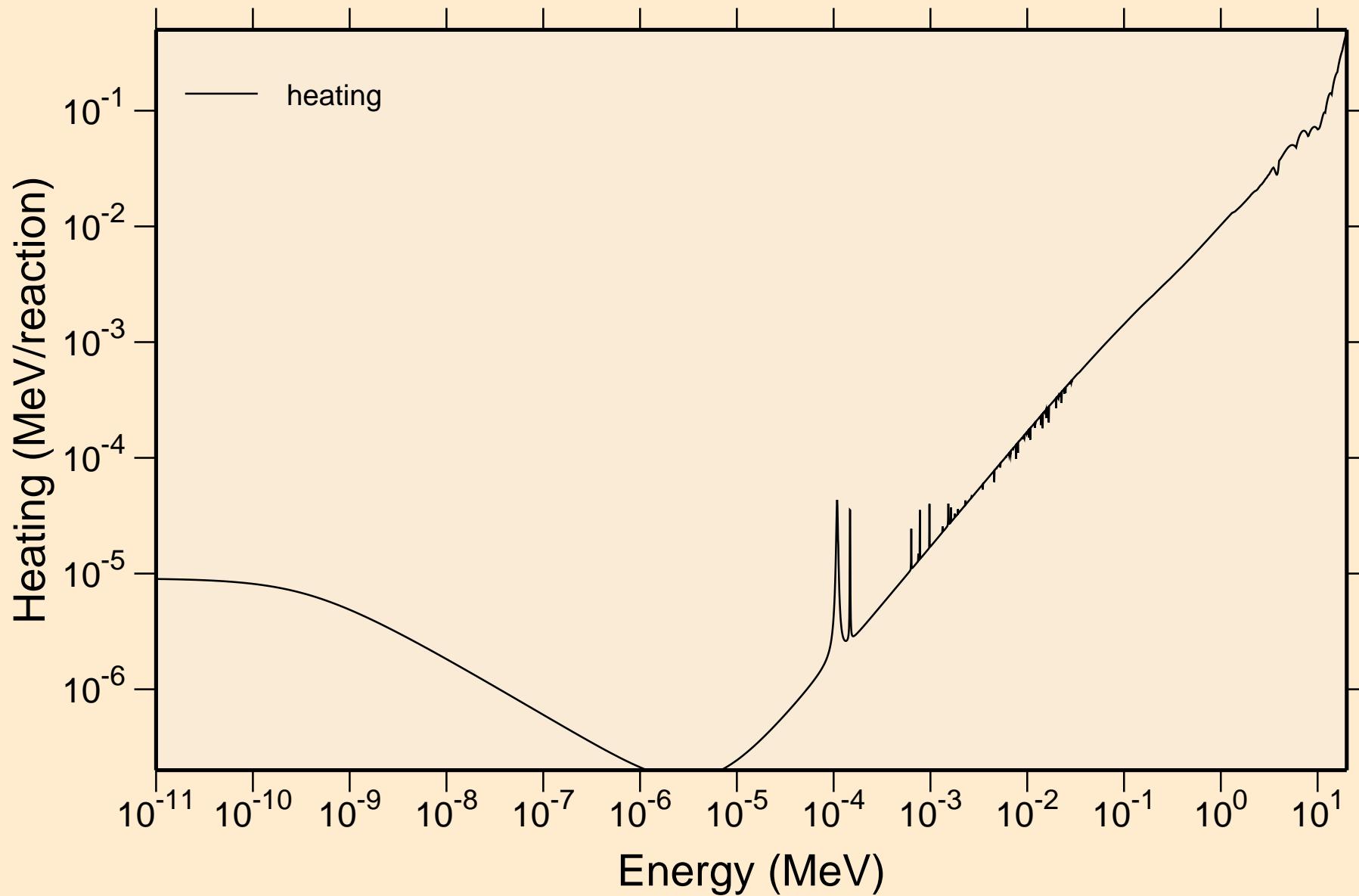


# JENDL-4 SN-116

## UR capture cross section

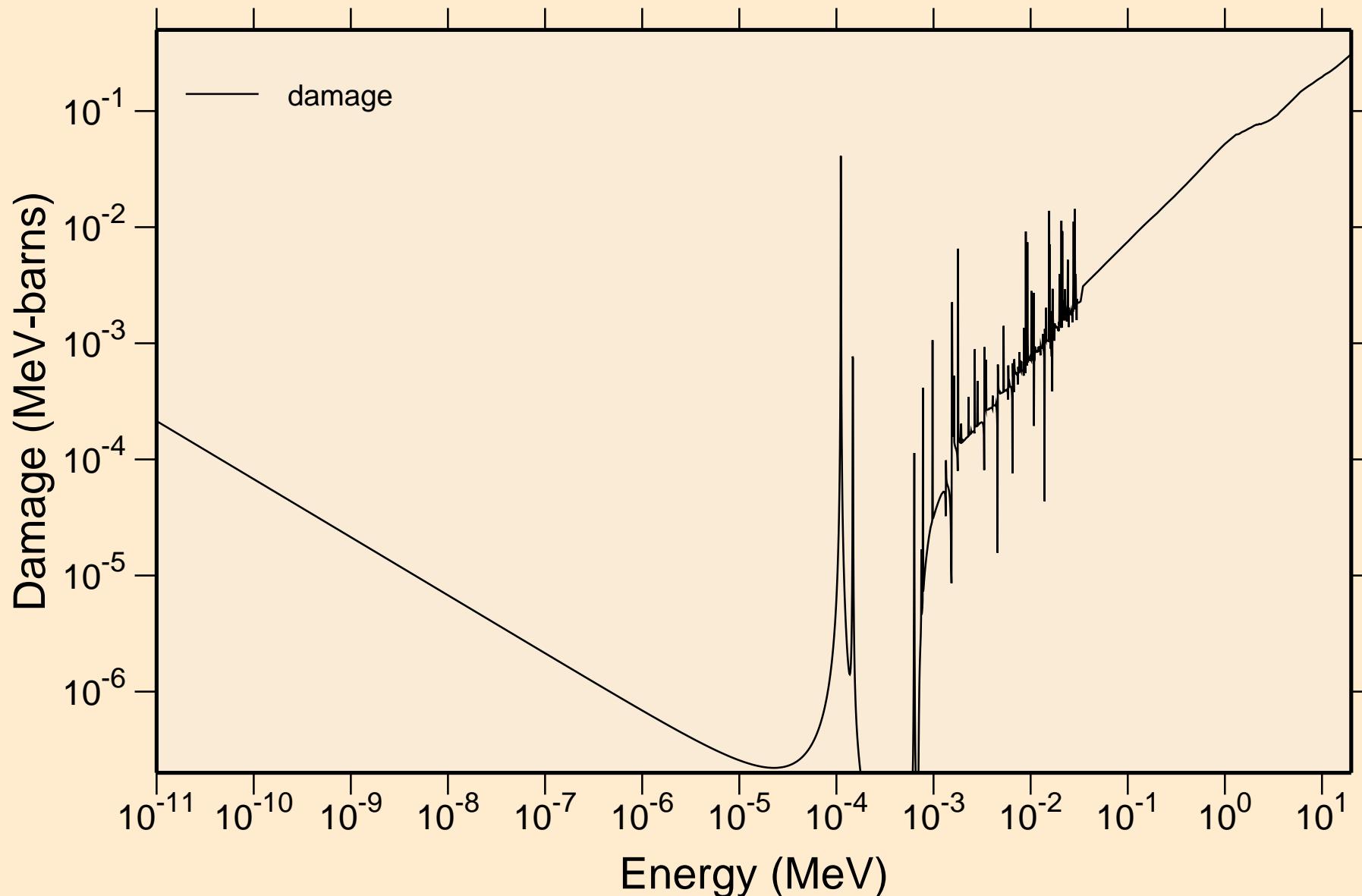


JENDL-4 SN-116  
Heating



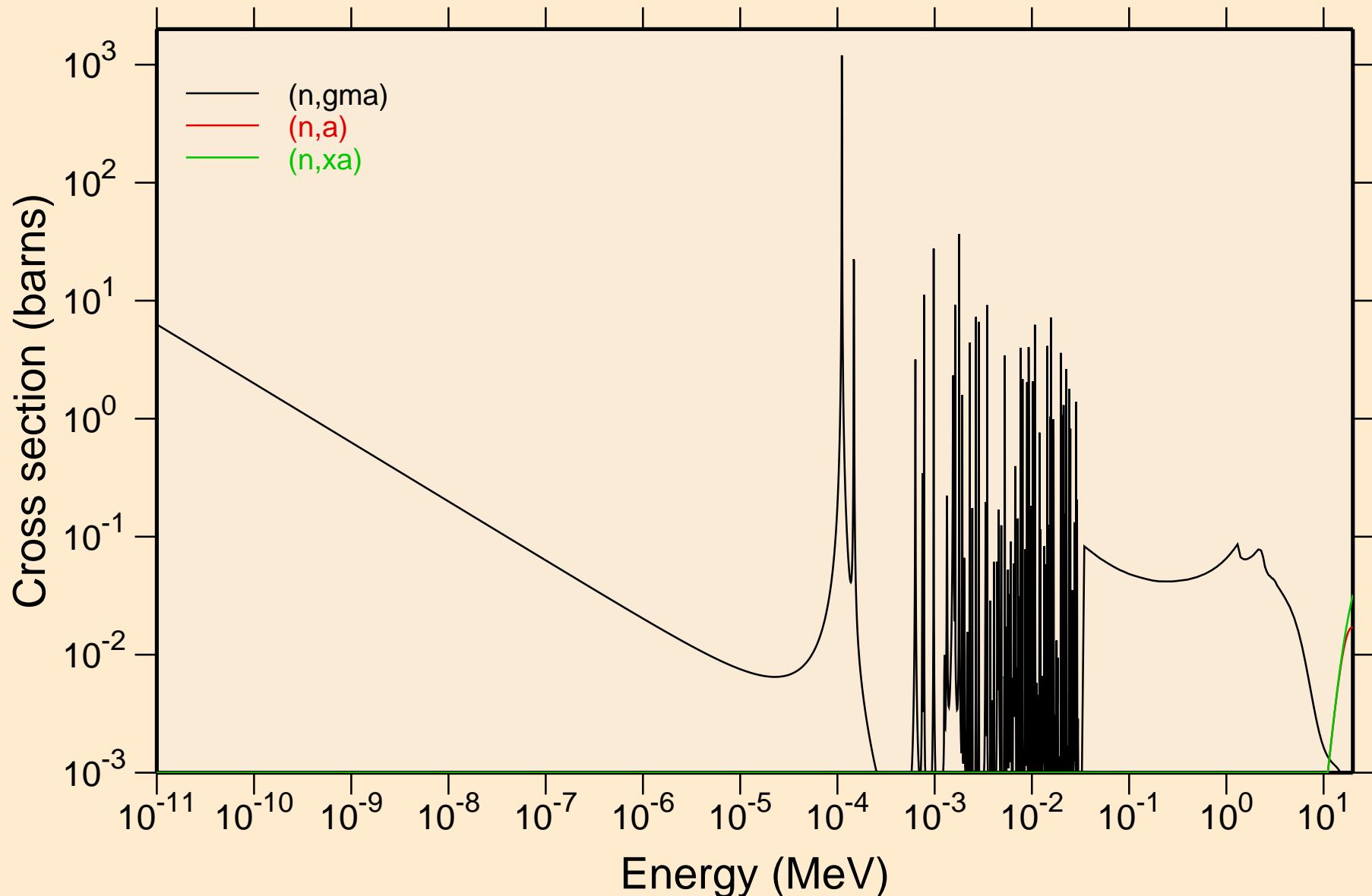
# JENDL-4 SN-116

## Damage



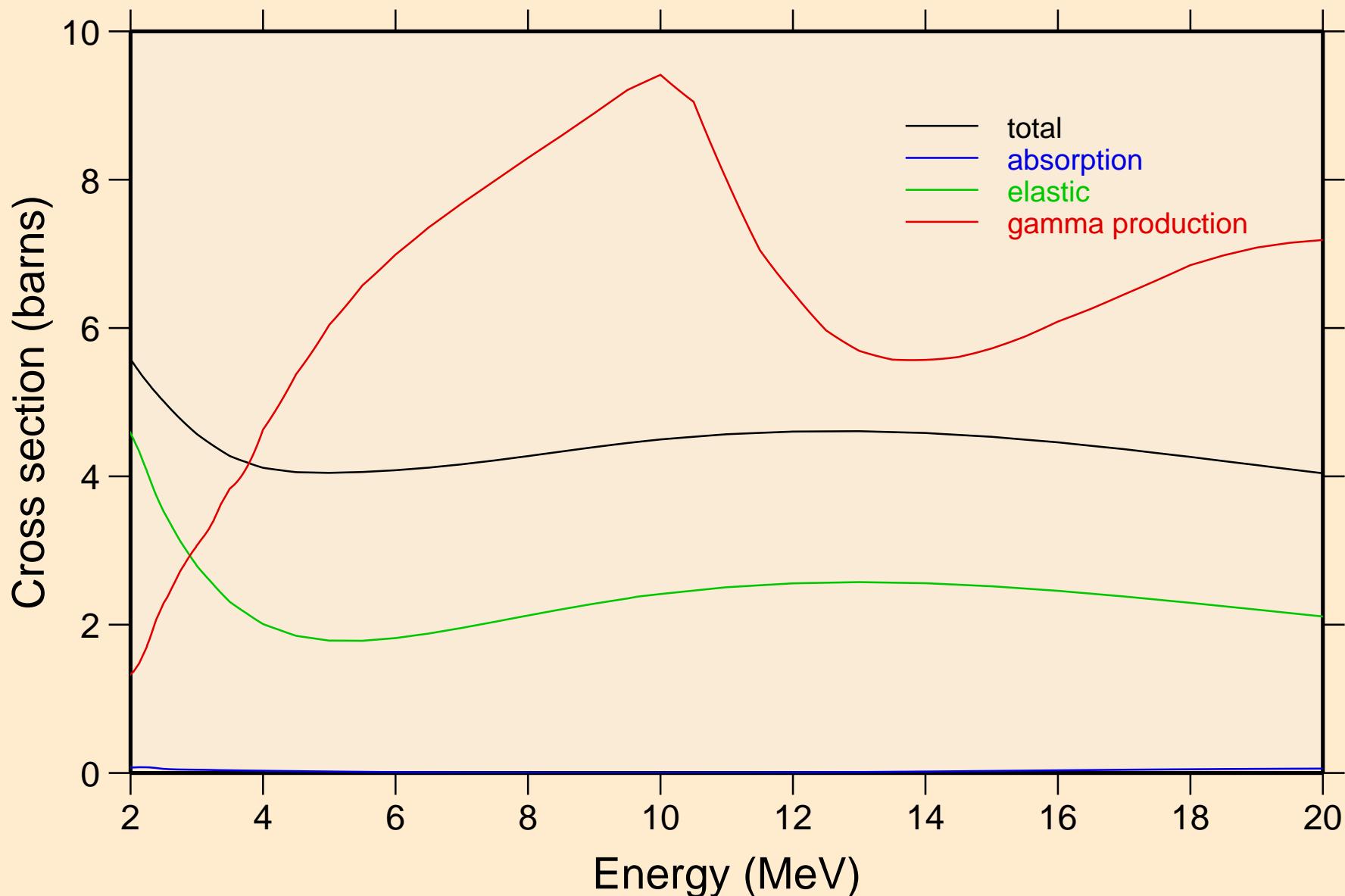
# JENDL-4 SN-116

## Non-threshold reactions

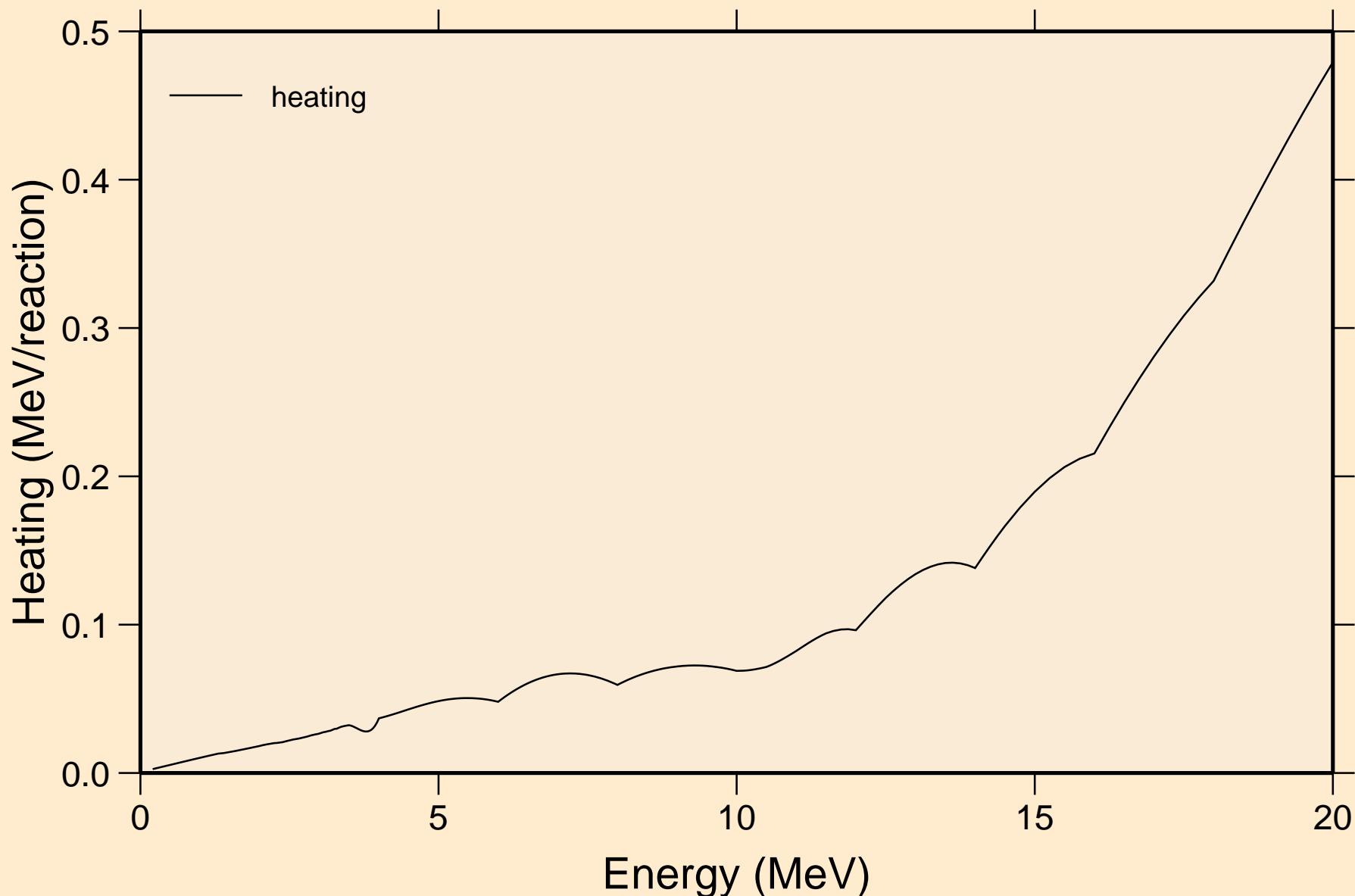


# JENDL-4 SN-116

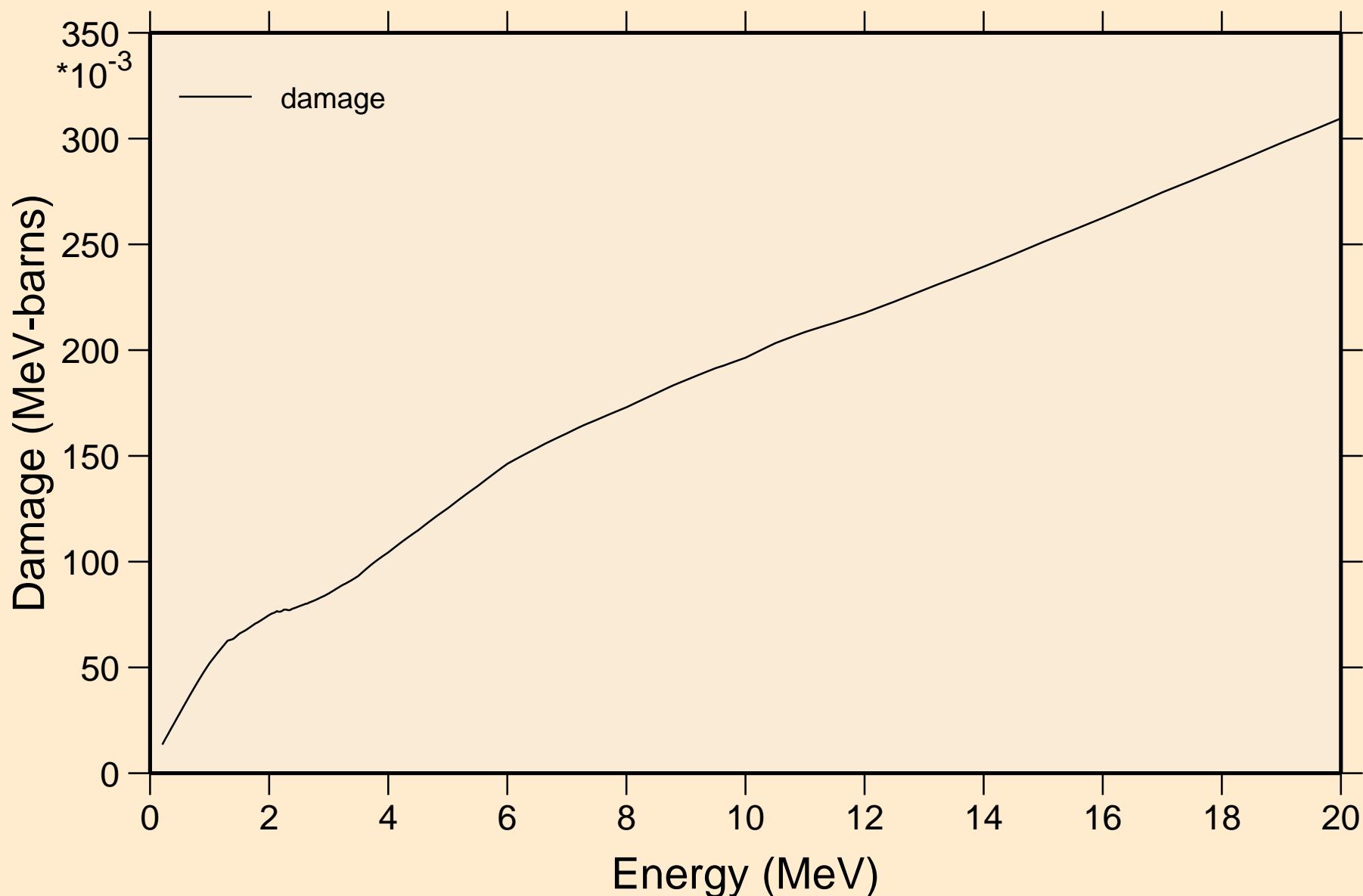
## Principal cross sections



JENDL-4 SN-116  
Heating

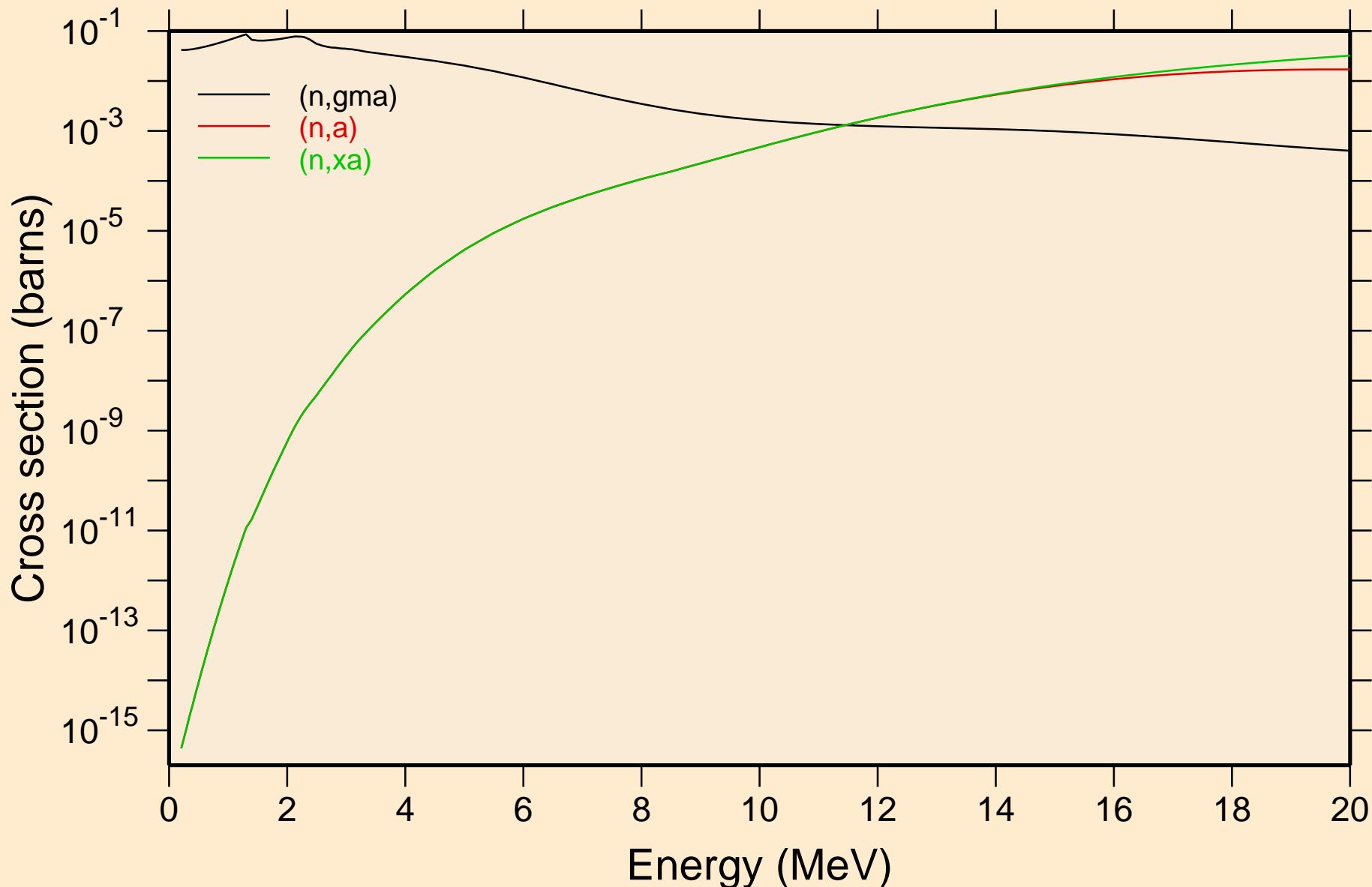


JENDL-4 SN-116  
Damage



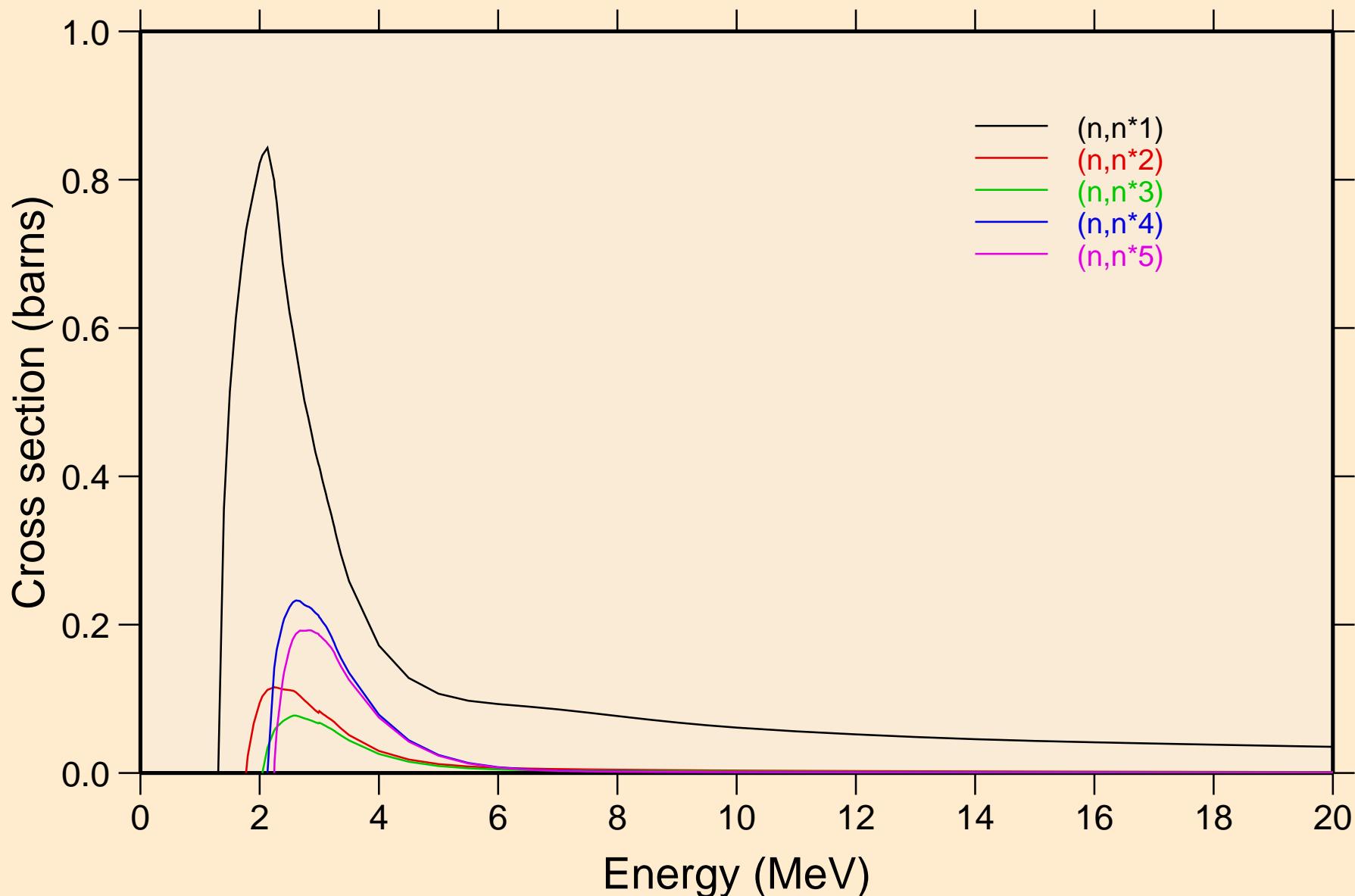
# JENDL-4 SN-116

## Non-threshold reactions



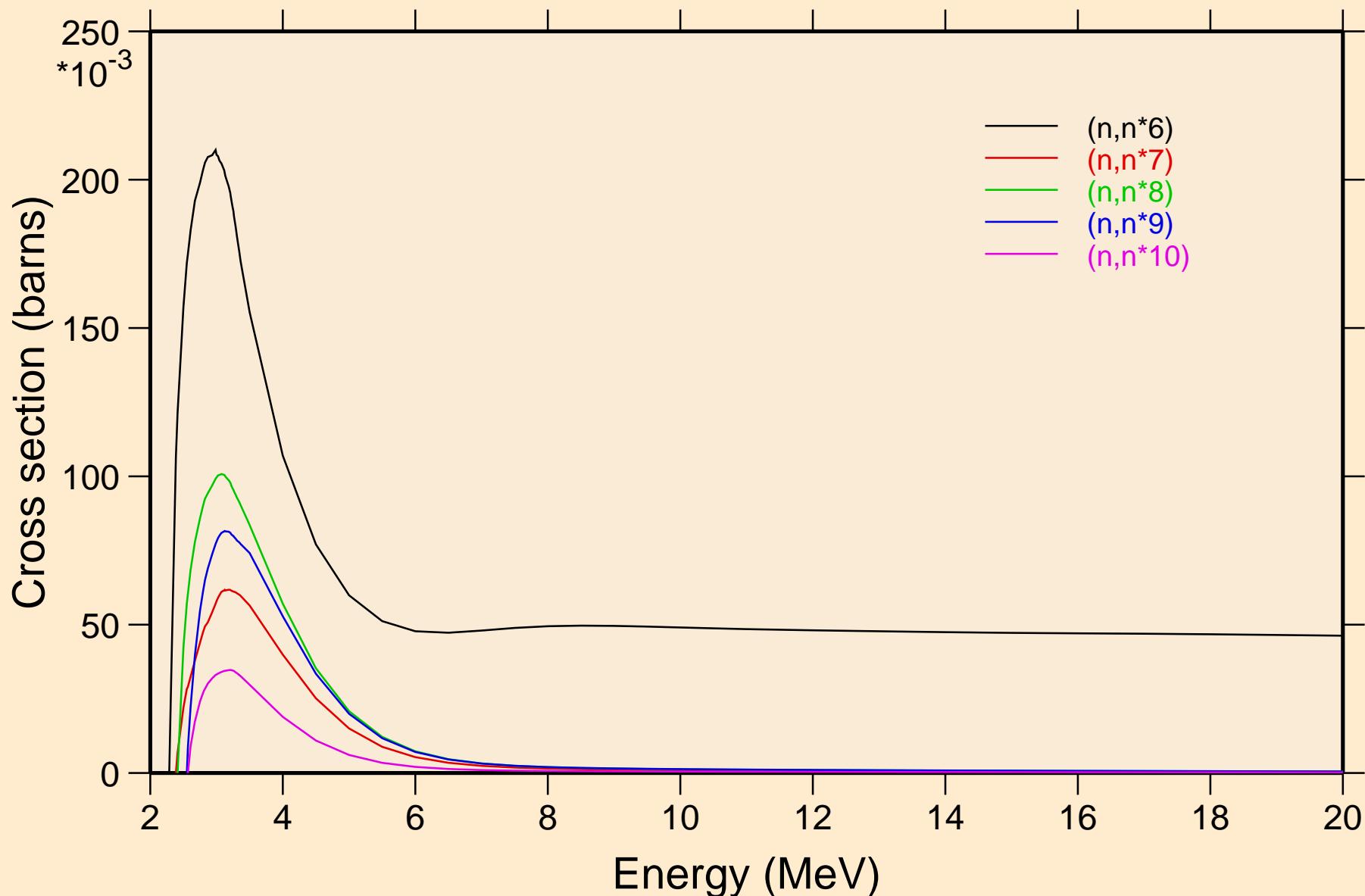
# JENDL-4 SN-116

## Inelastic levels



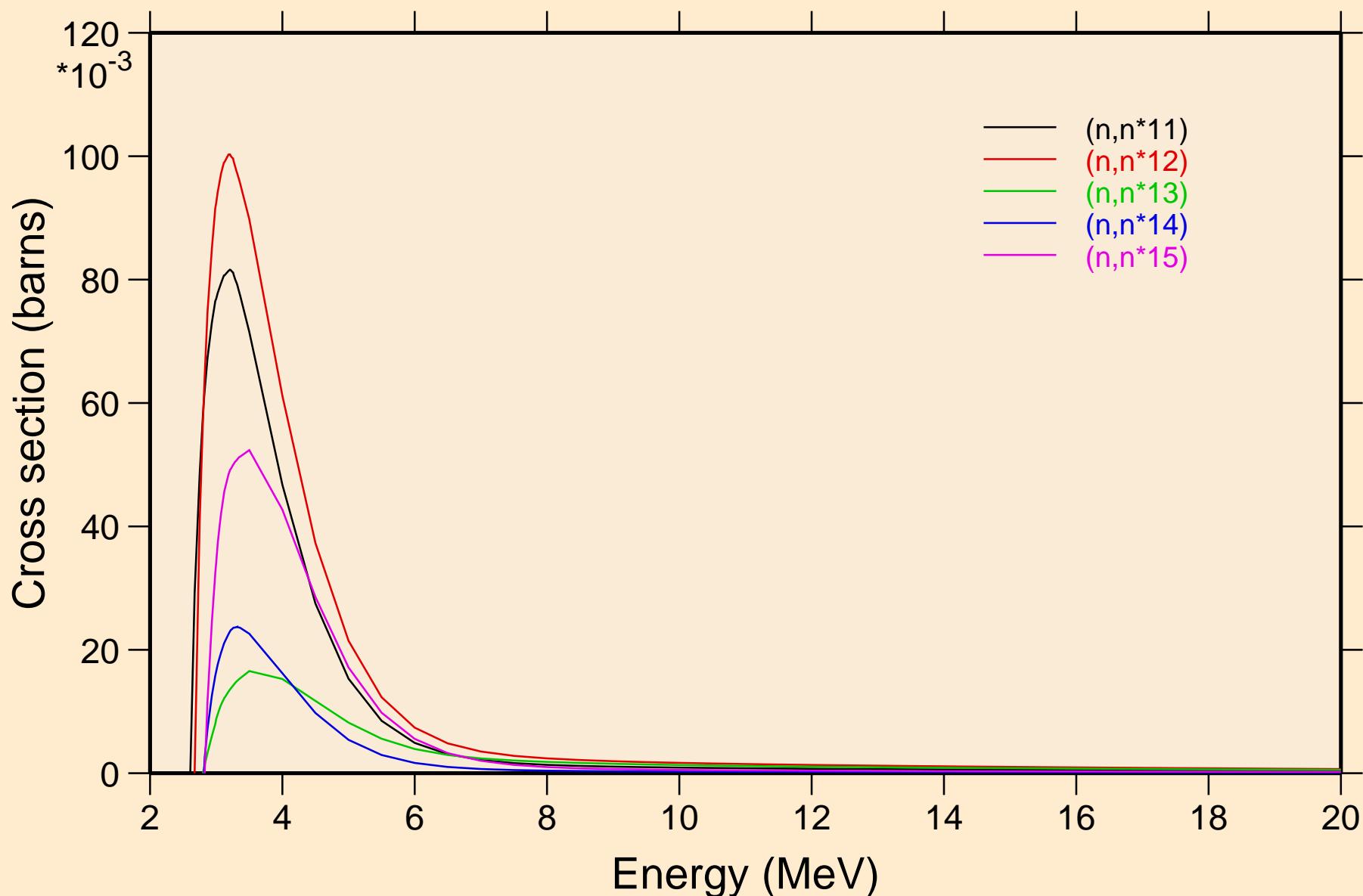
# JENDL-4 SN-116

## Inelastic levels



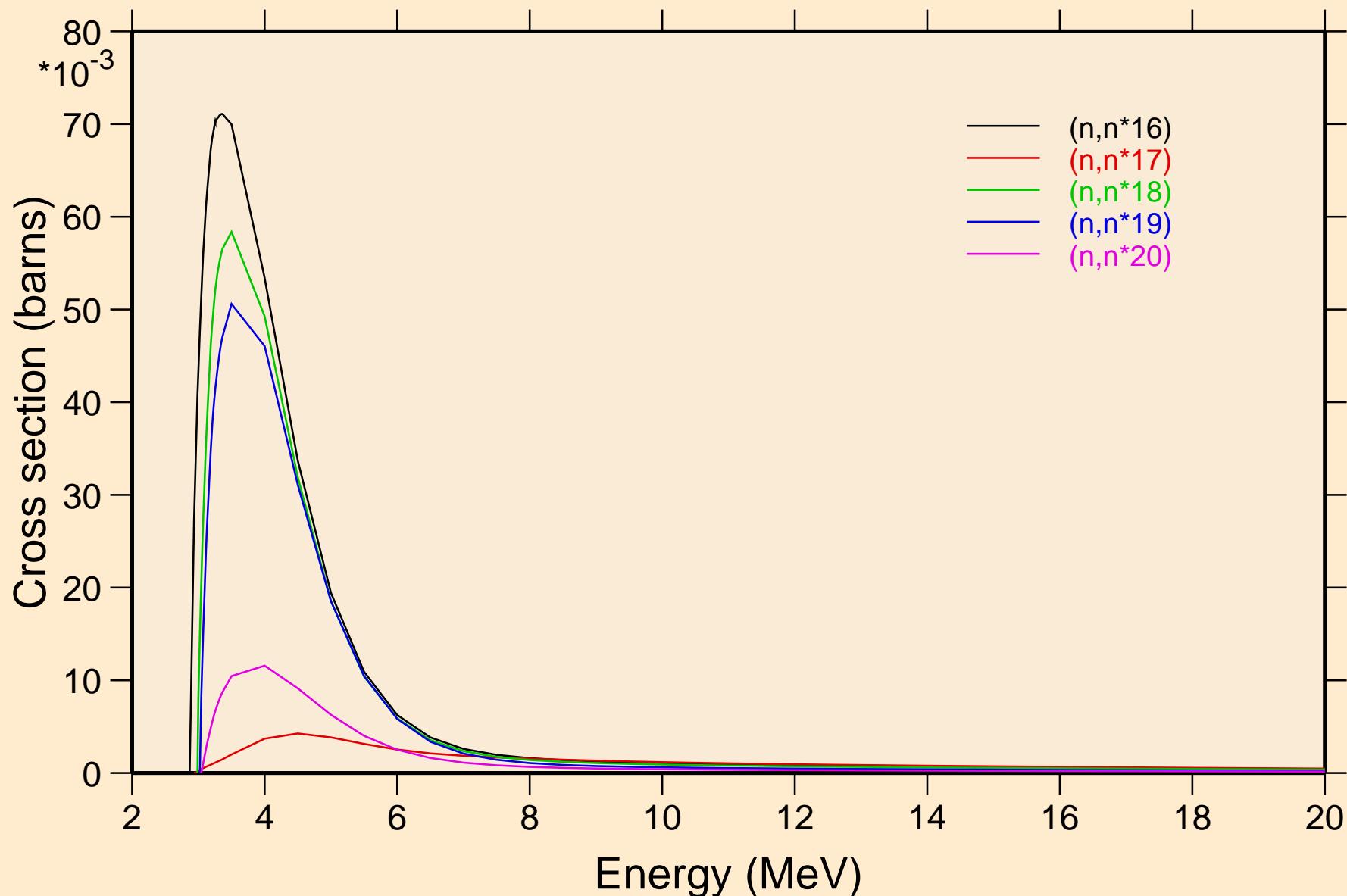
# JENDL-4 SN-116

## Inelastic levels



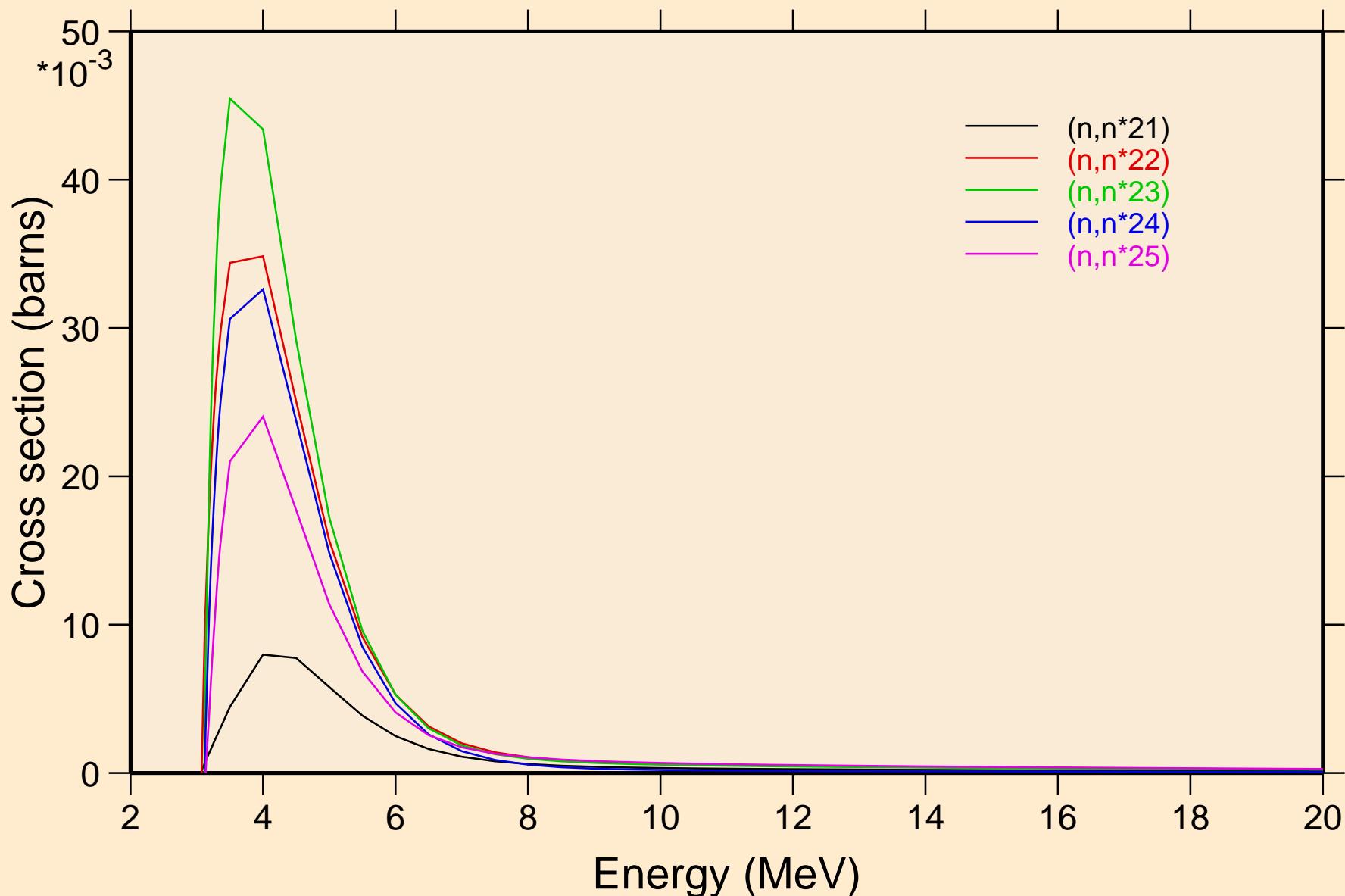
# JENDL-4 SN-116

## Inelastic levels



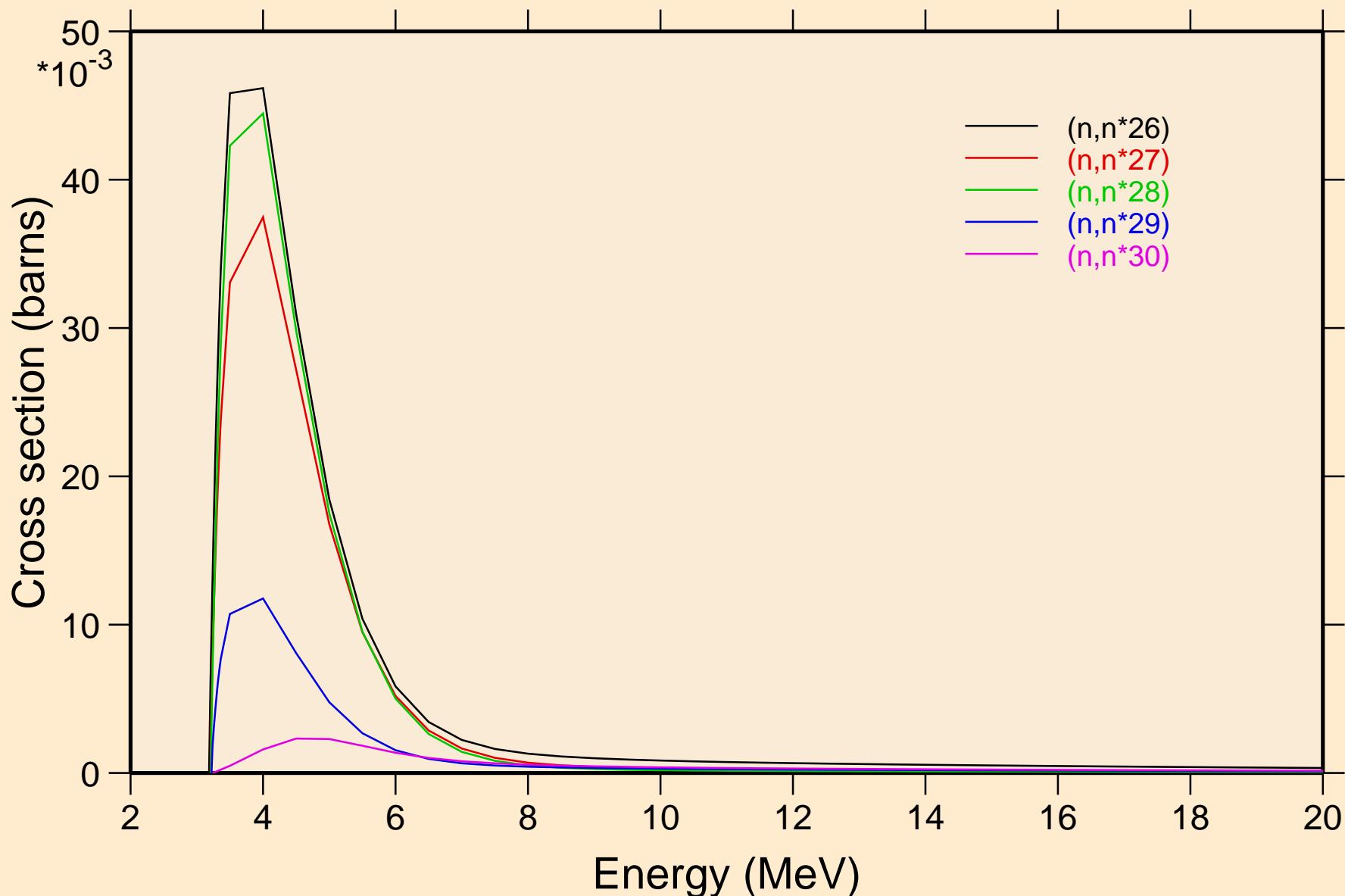
# JENDL-4 SN-116

## Inelastic levels



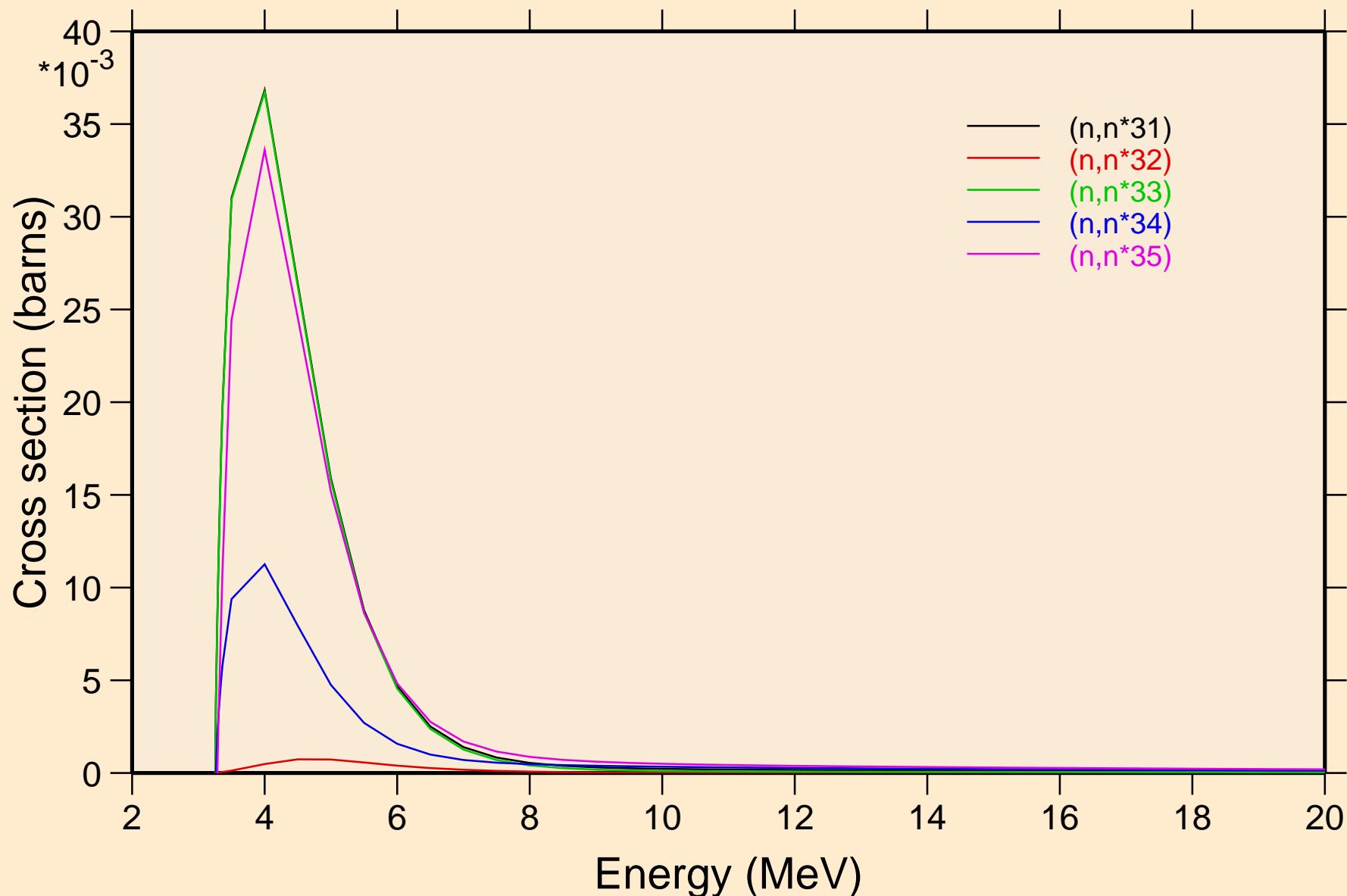
# JENDL-4 SN-116

## Inelastic levels



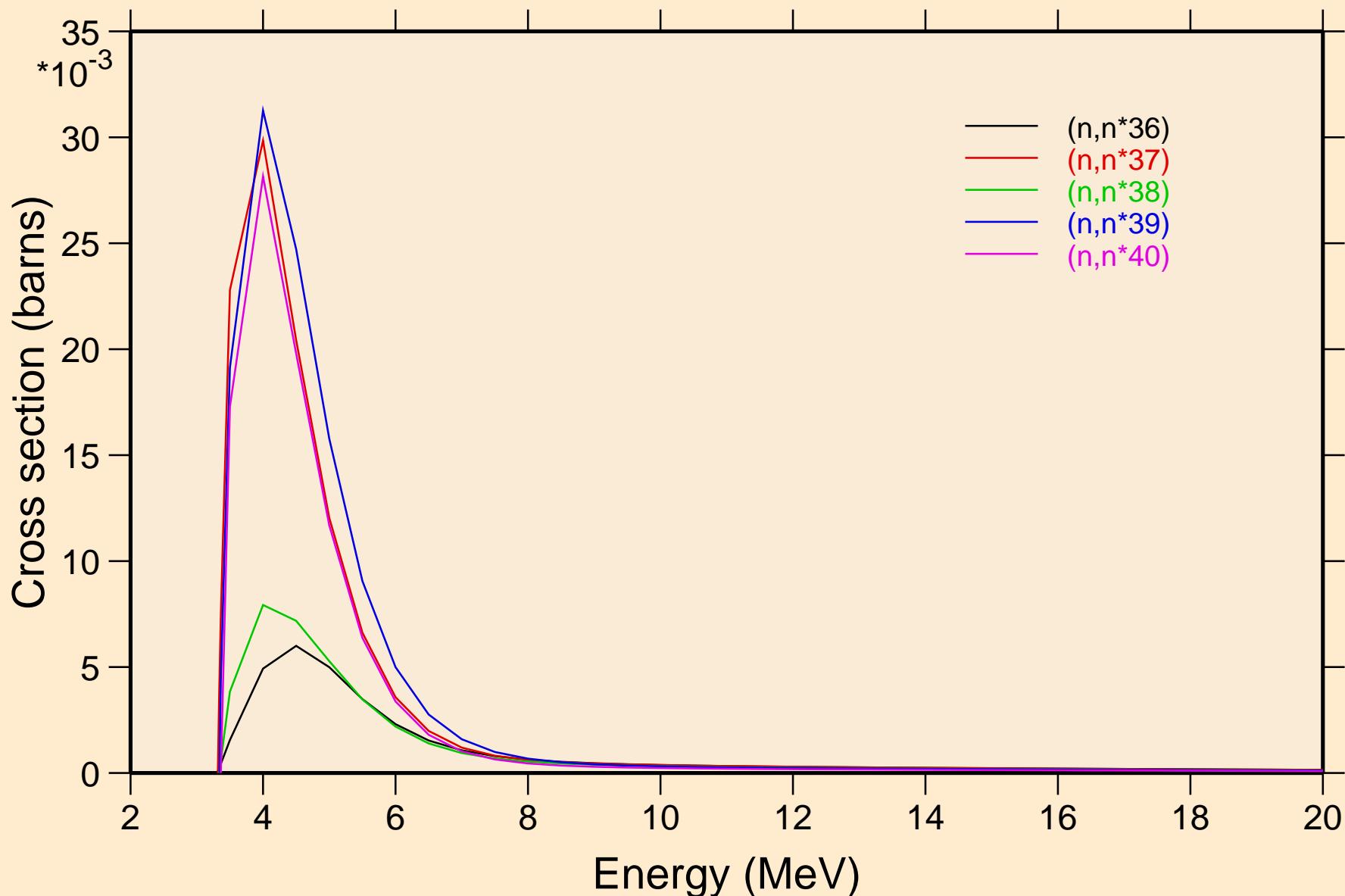
# JENDL-4 SN-116

## Inelastic levels



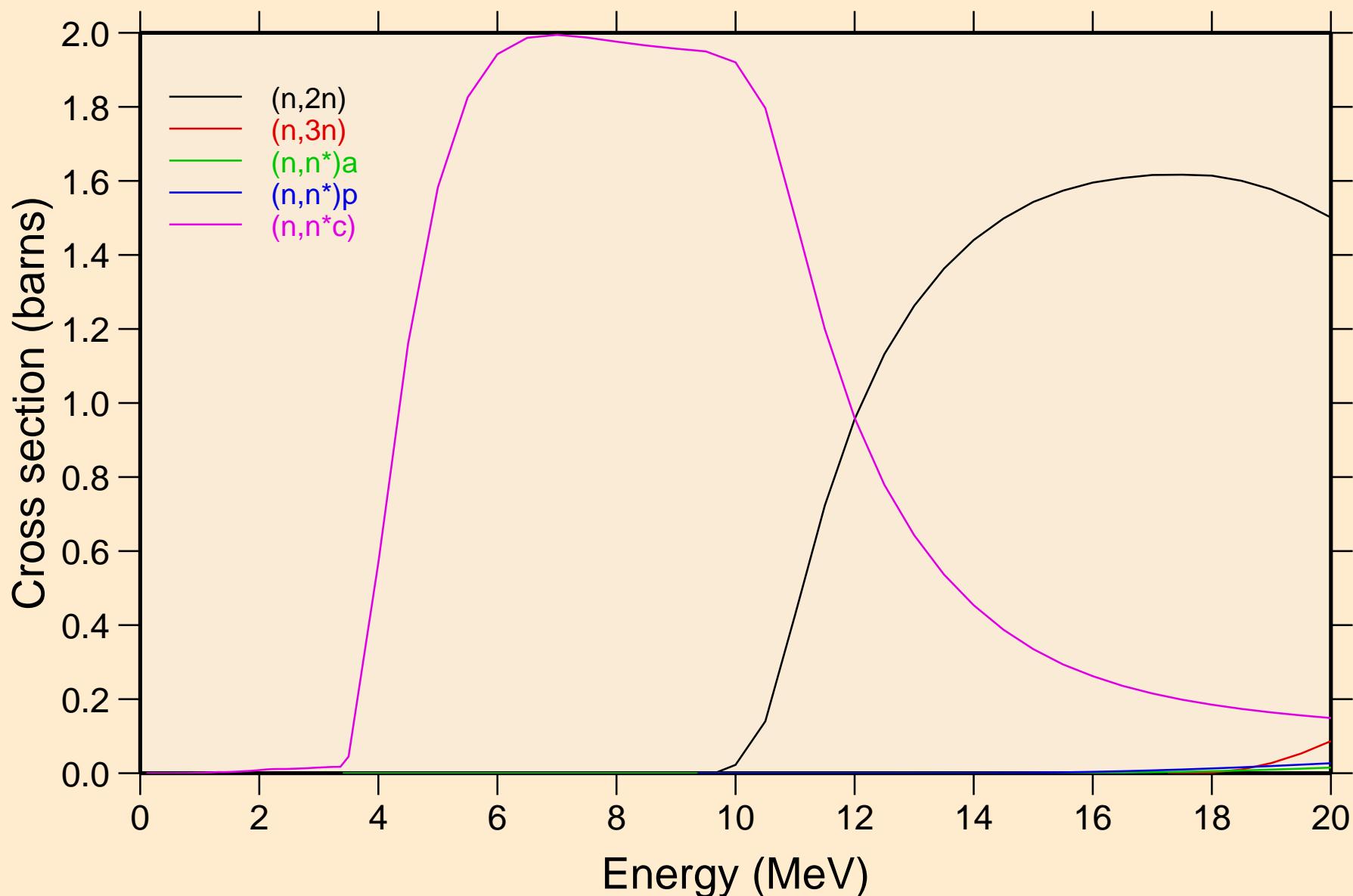
# JENDL-4 SN-116

## Inelastic levels



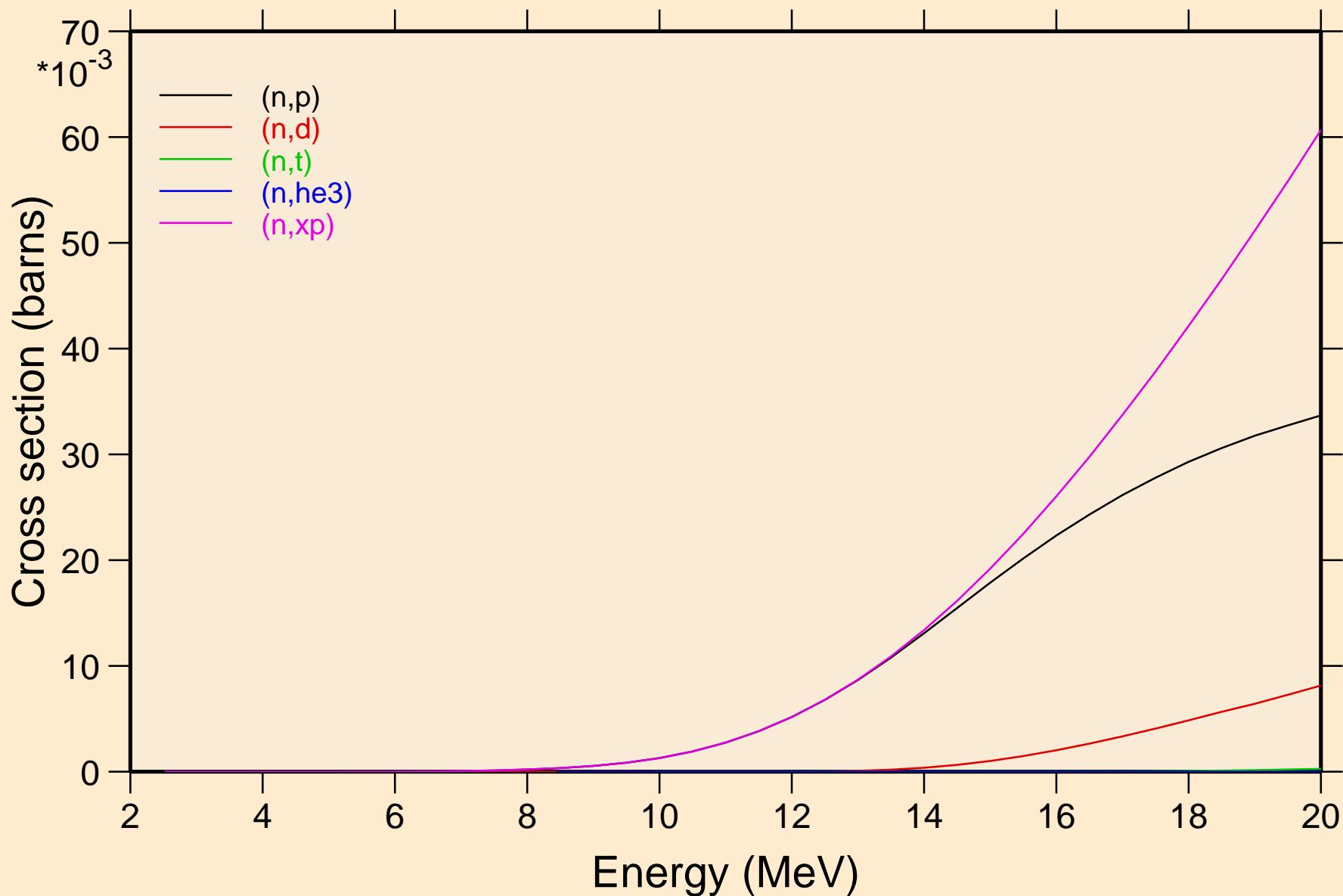
# JENDL-4 SN-116

## Threshold reactions



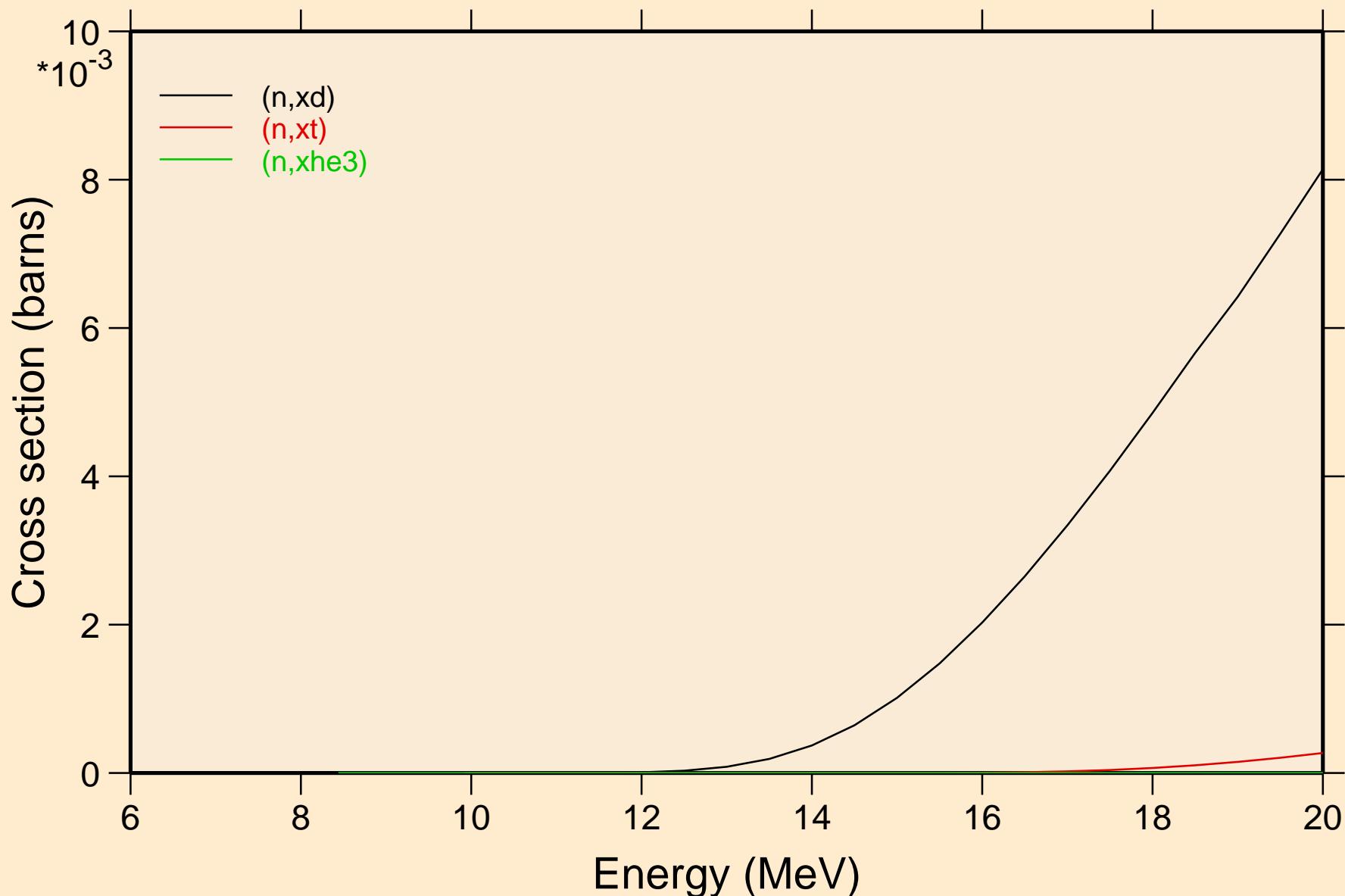
# JENDL-4 SN-116

## Threshold reactions

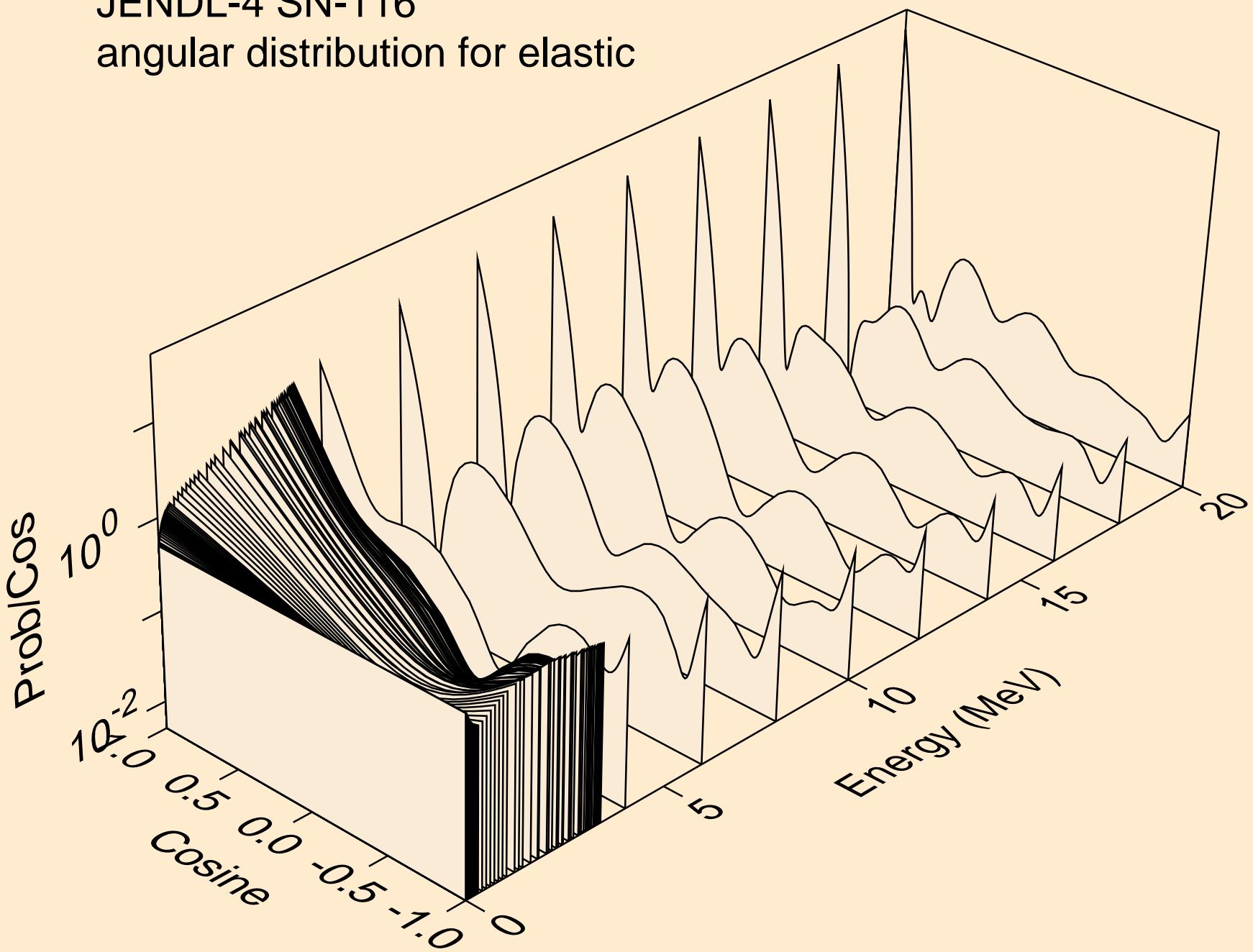


# JENDL-4 SN-116

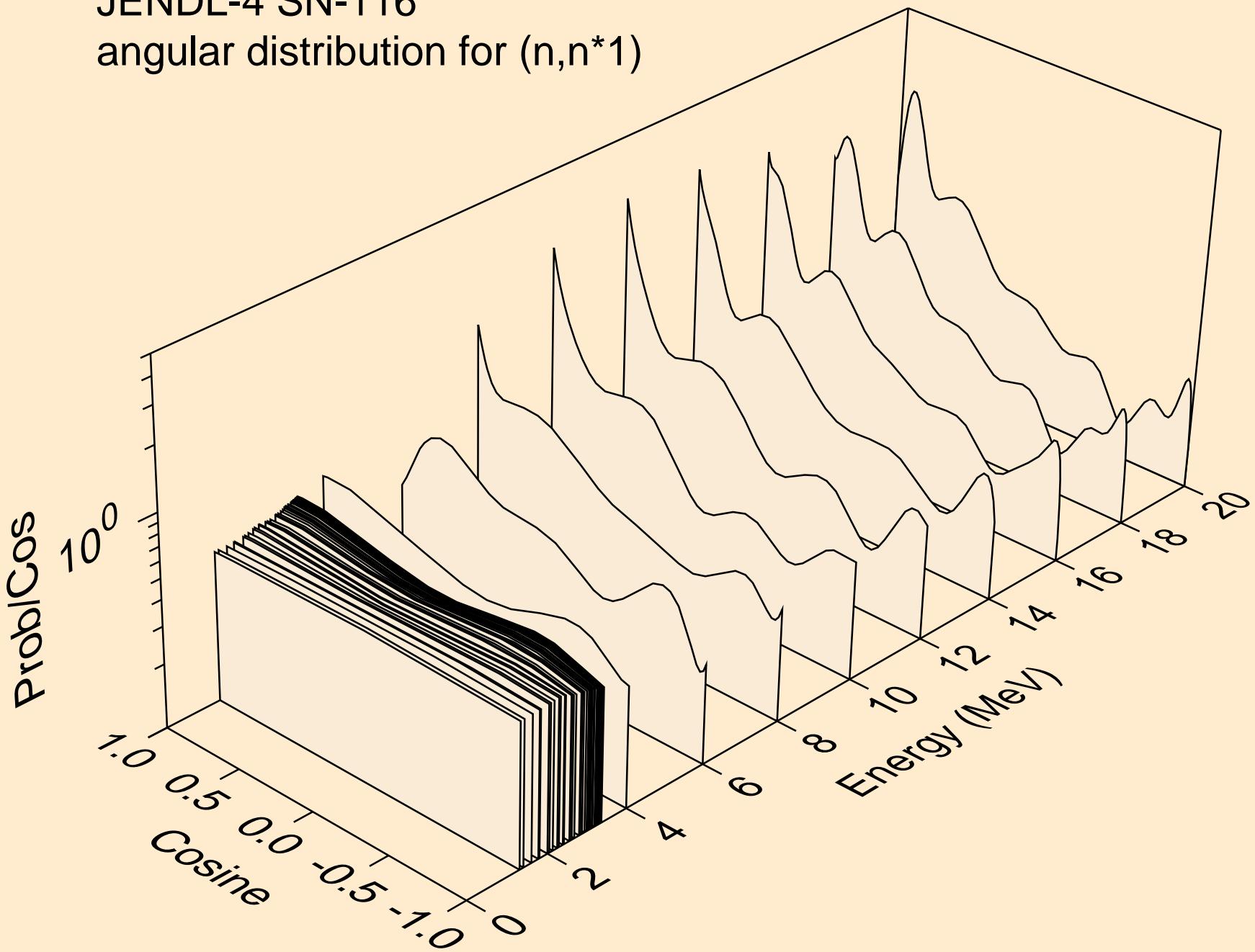
## Threshold reactions



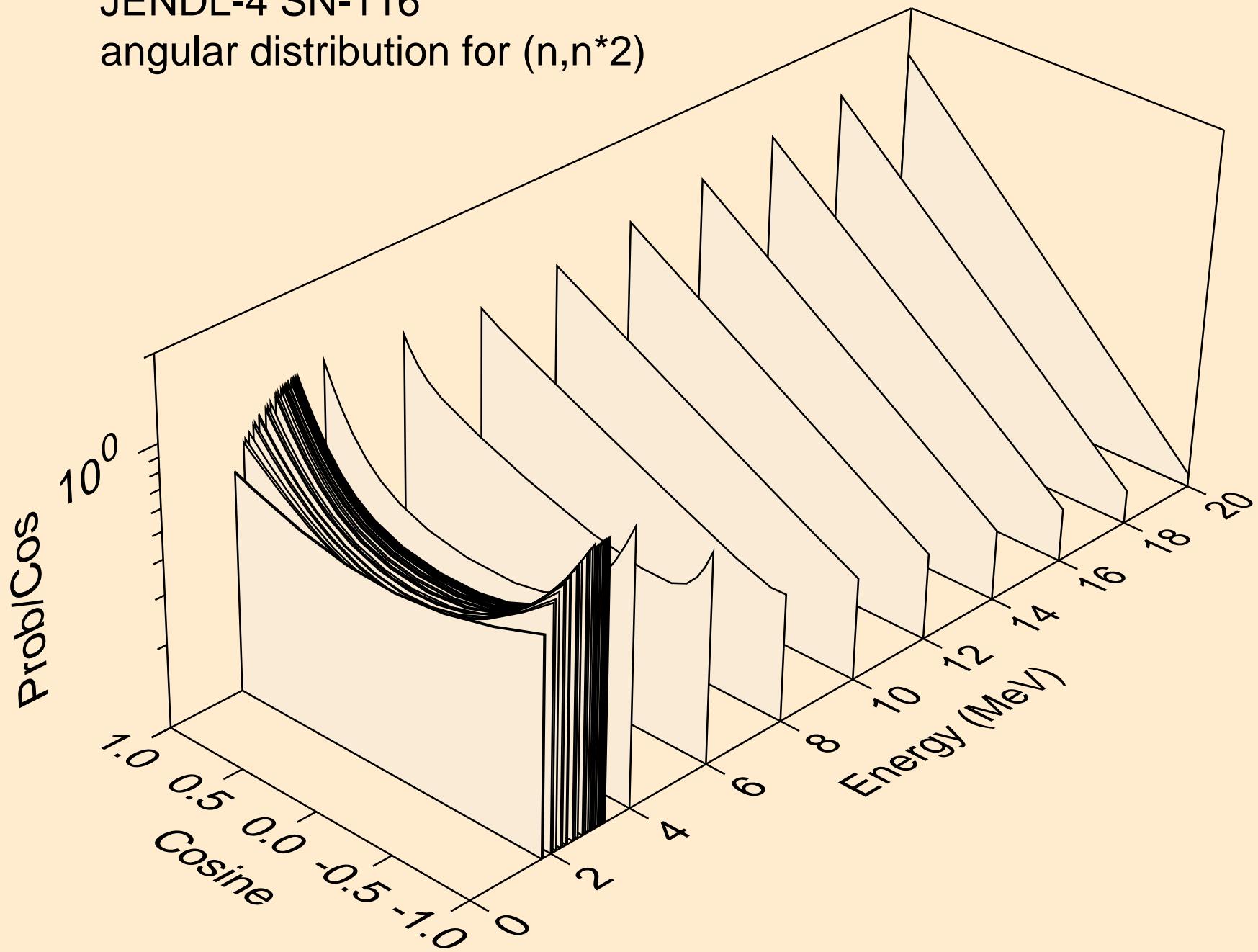
JENDL-4 SN-116  
angular distribution for elastic



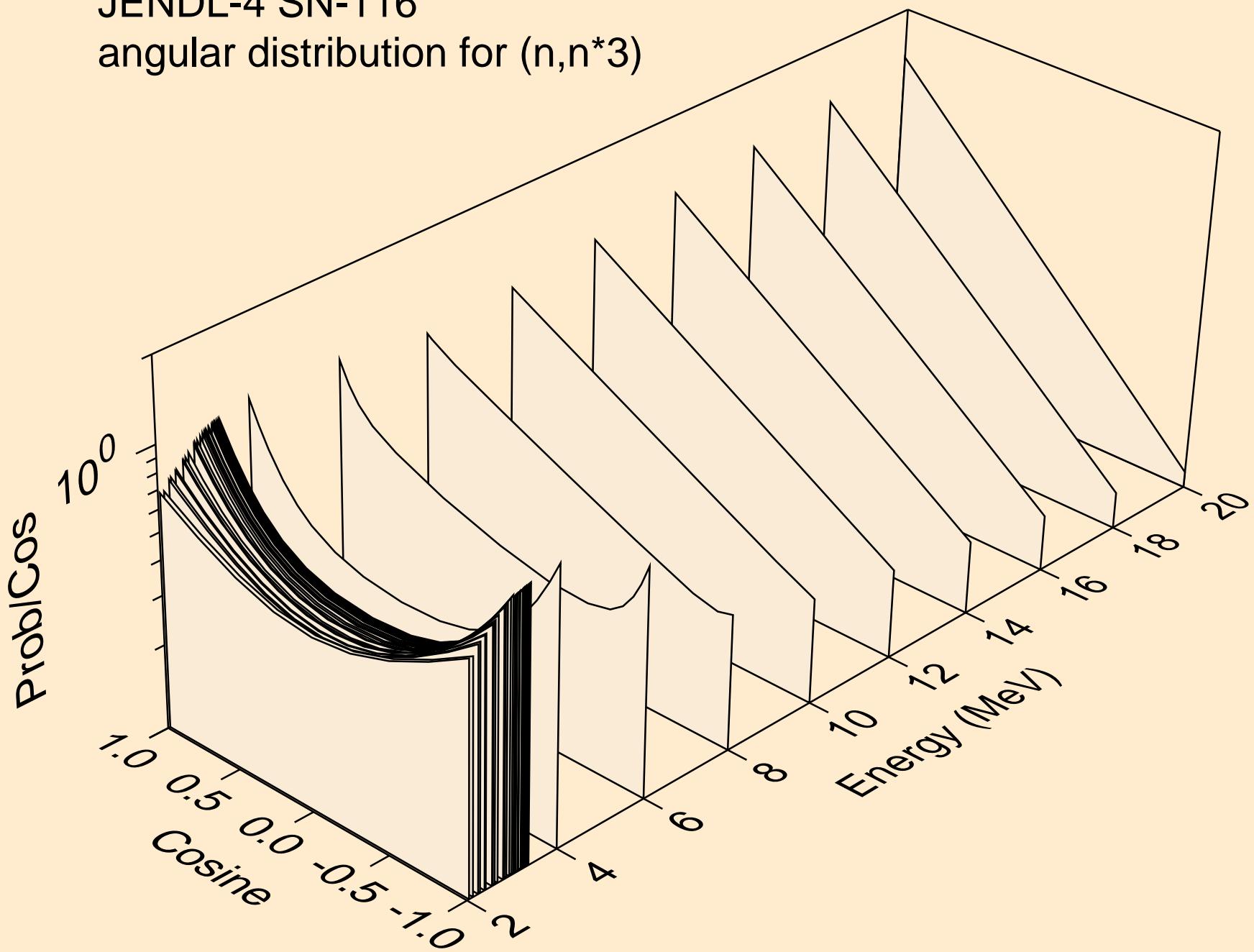
JENDL-4 SN-116  
angular distribution for (n,n\*1)



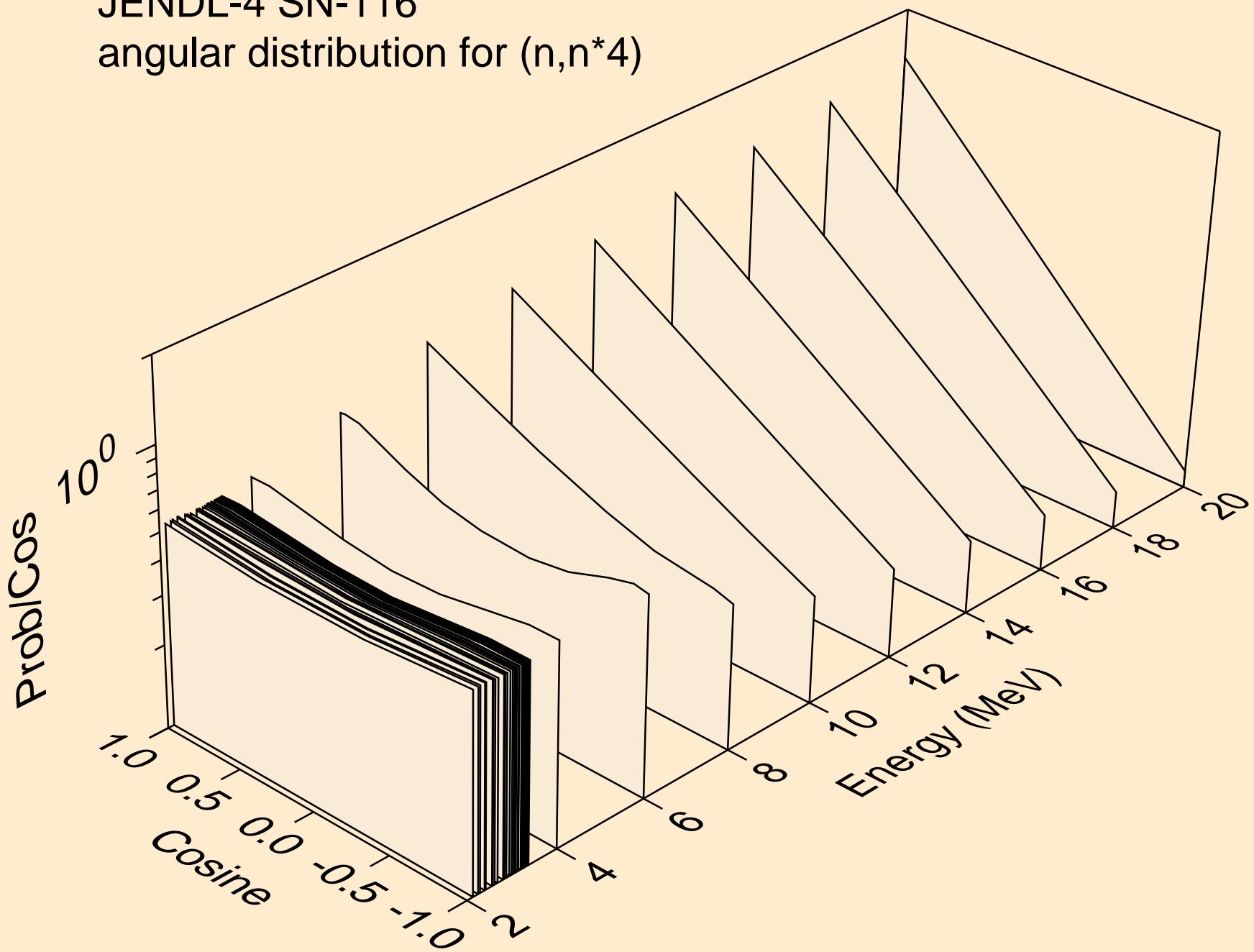
JENDL-4 SN-116  
angular distribution for  $(n,n^*)$



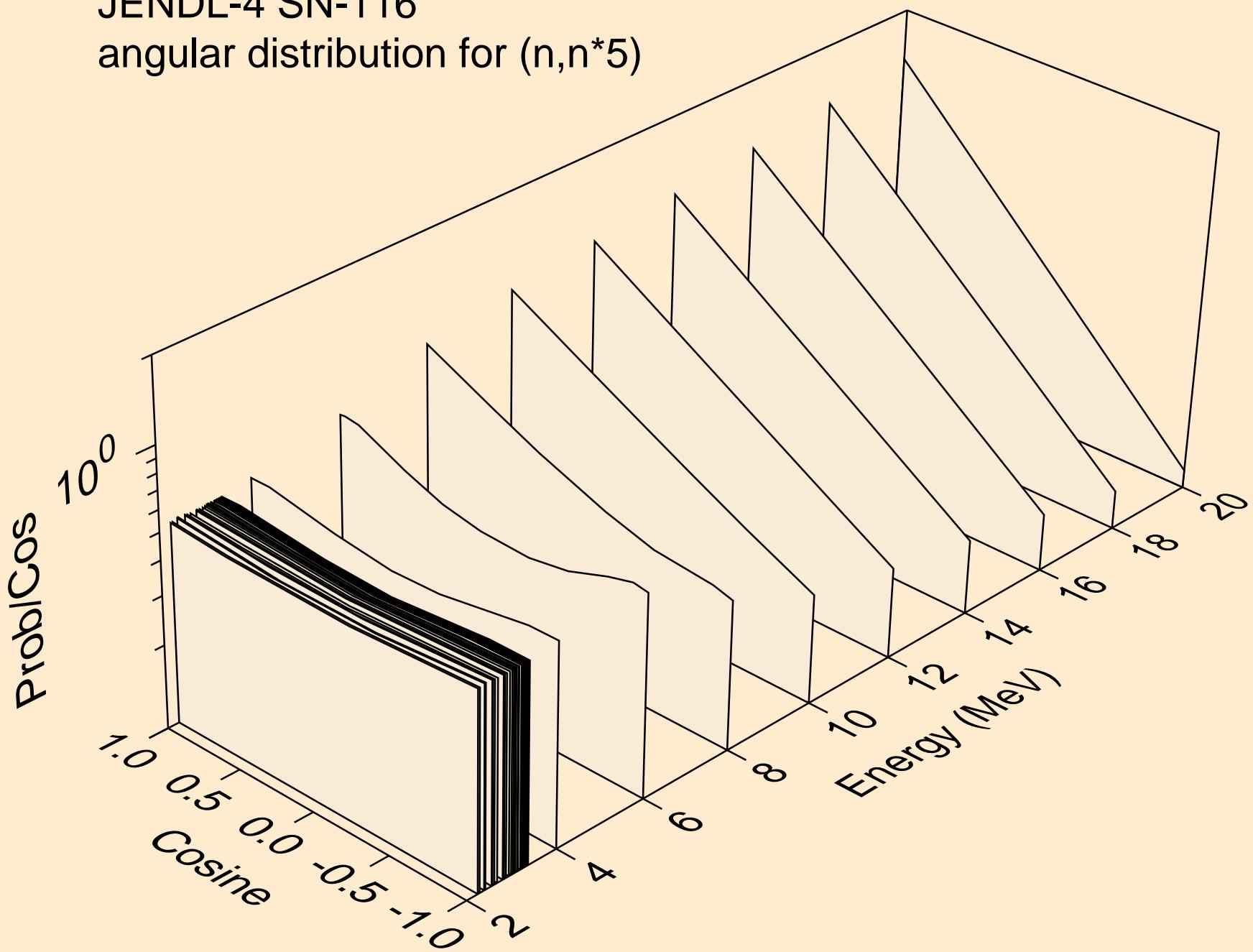
JENDL-4 SN-116  
angular distribution for  $(n,n^*)^3$



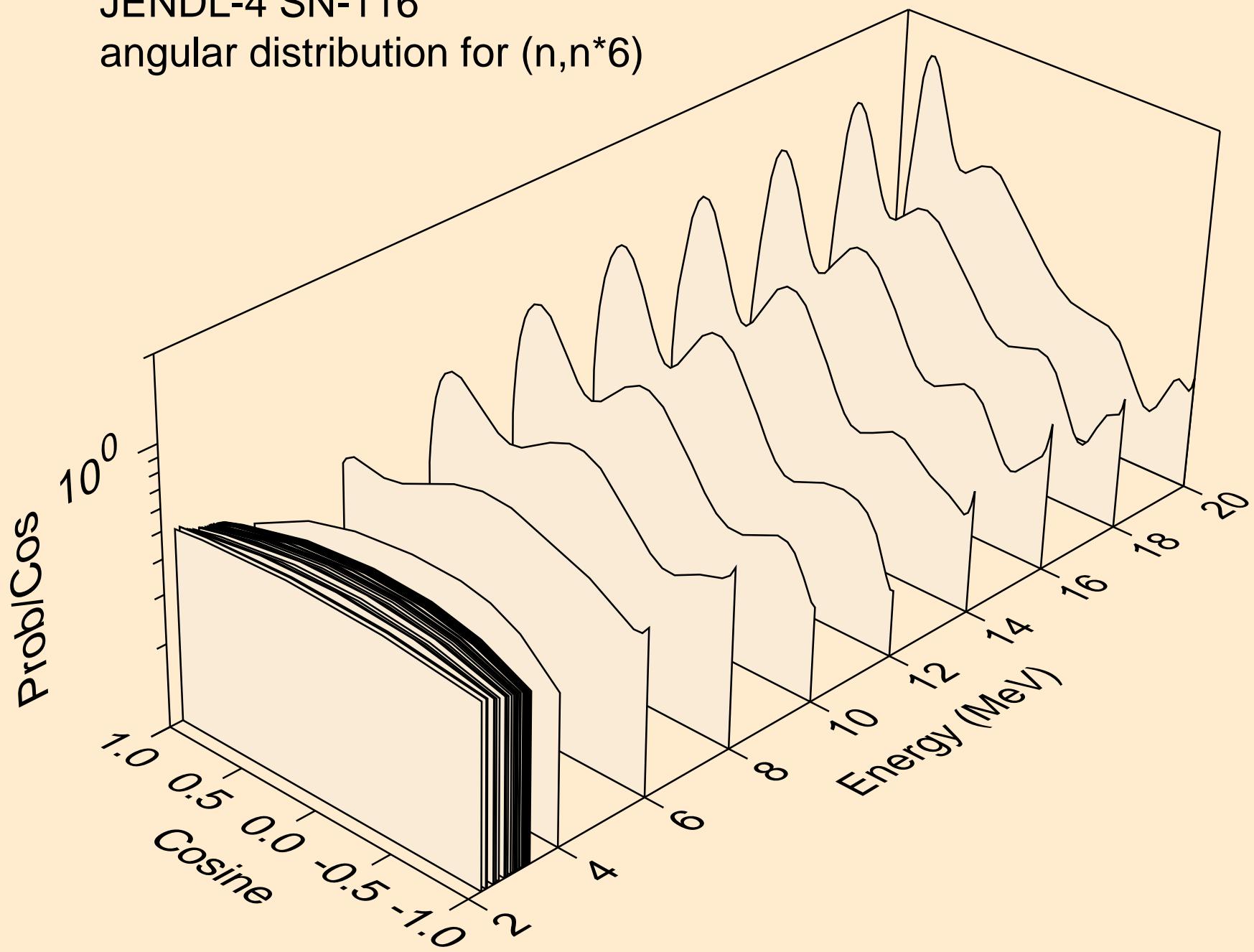
JENDL-4 SN-116  
angular distribution for  $(n,n^*4)$



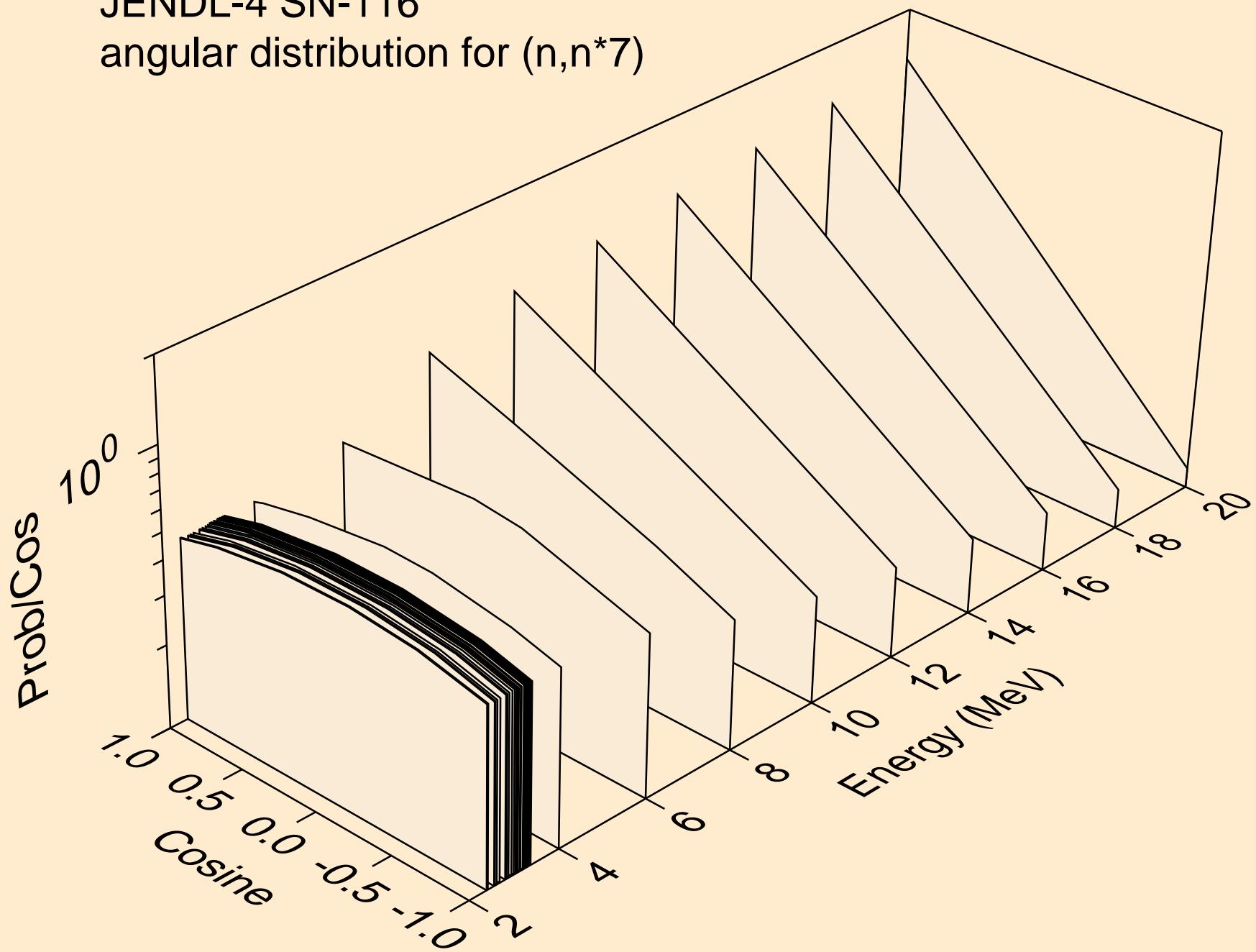
JENDL-4 SN-116  
angular distribution for  $(n,n^*)^5$



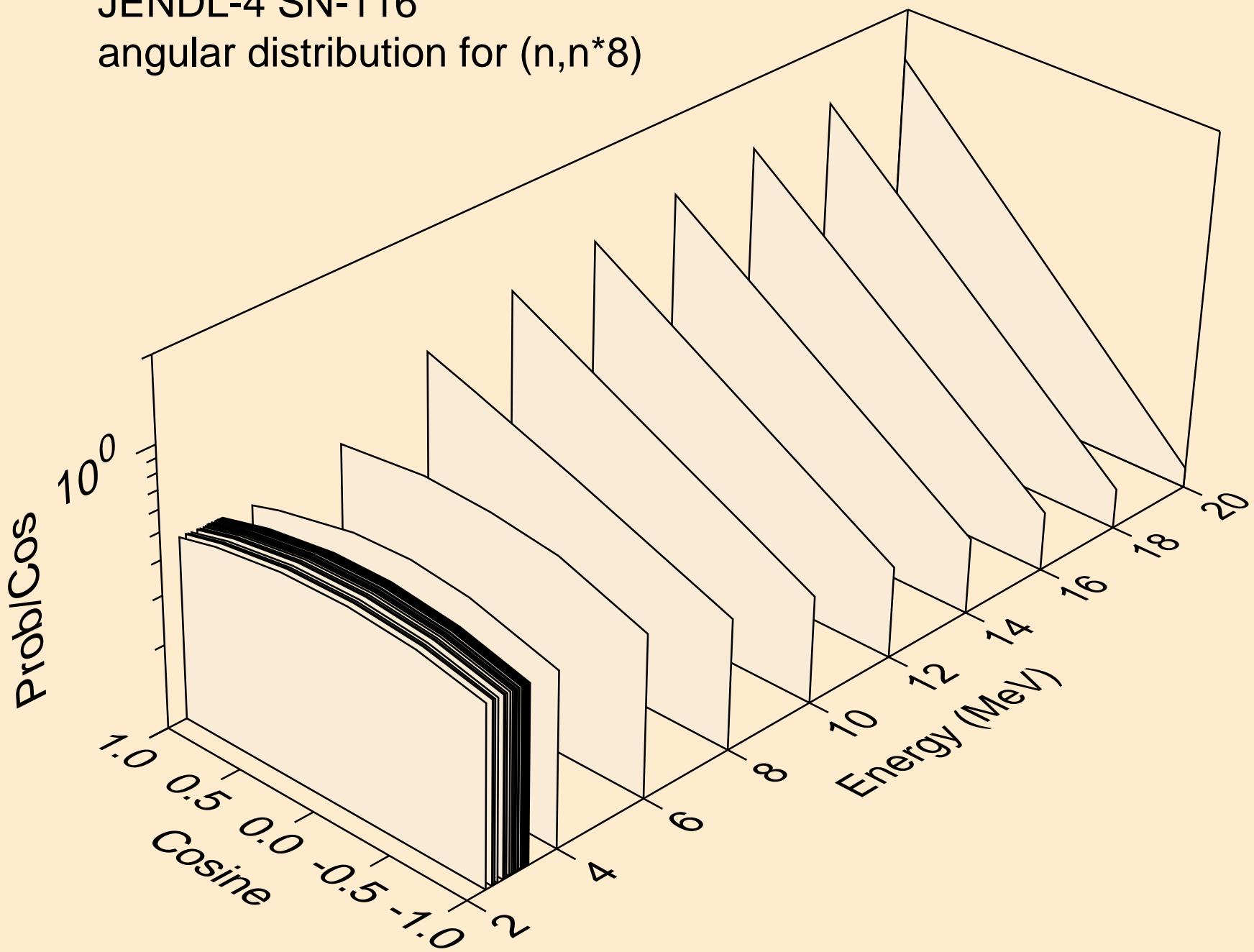
JENDL-4 SN-116  
angular distribution for  $(n,n^*6)$



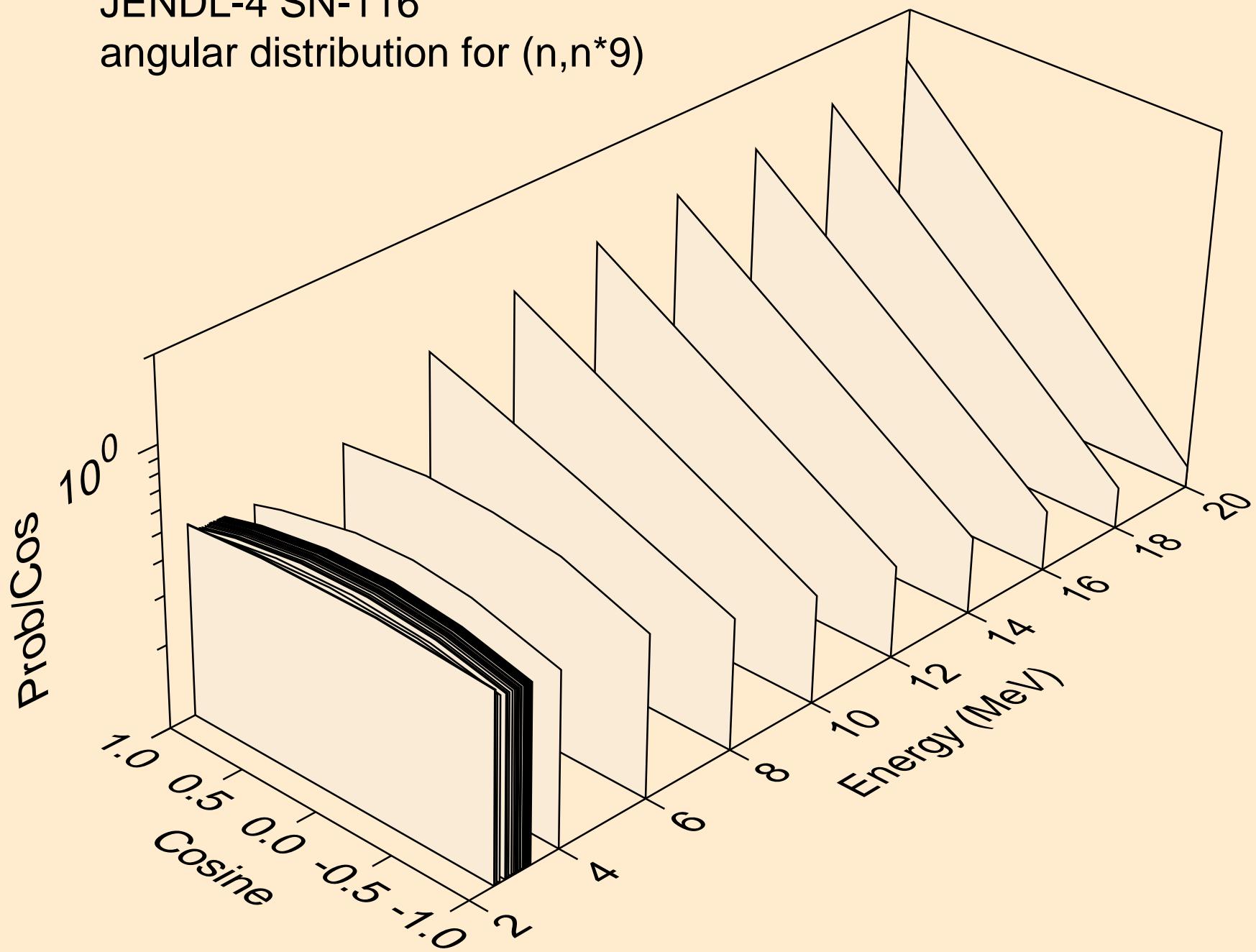
JENDL-4 SN-116  
angular distribution for  $(n,n^*7)$



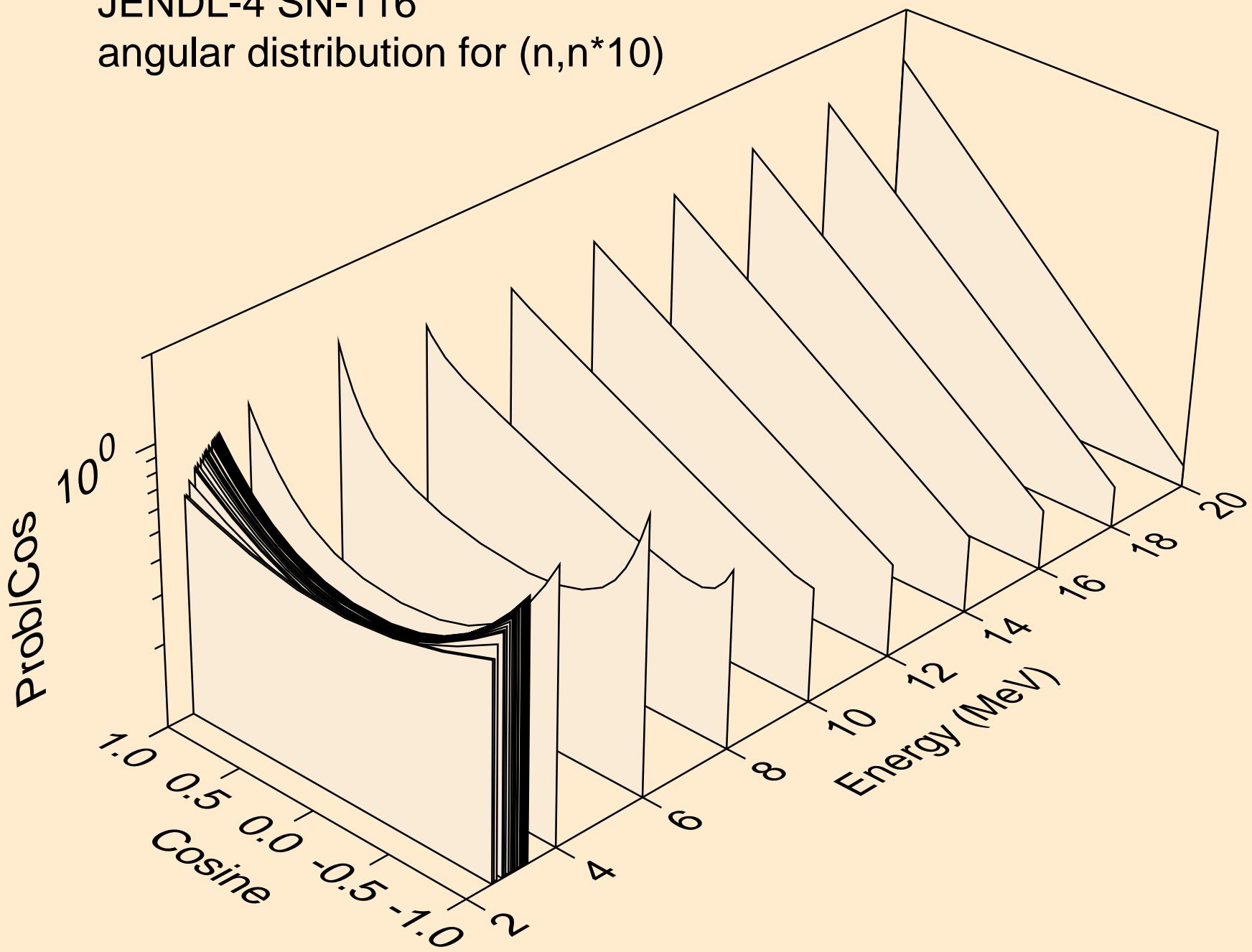
JENDL-4 SN-116  
angular distribution for  $(n,n^*)8$



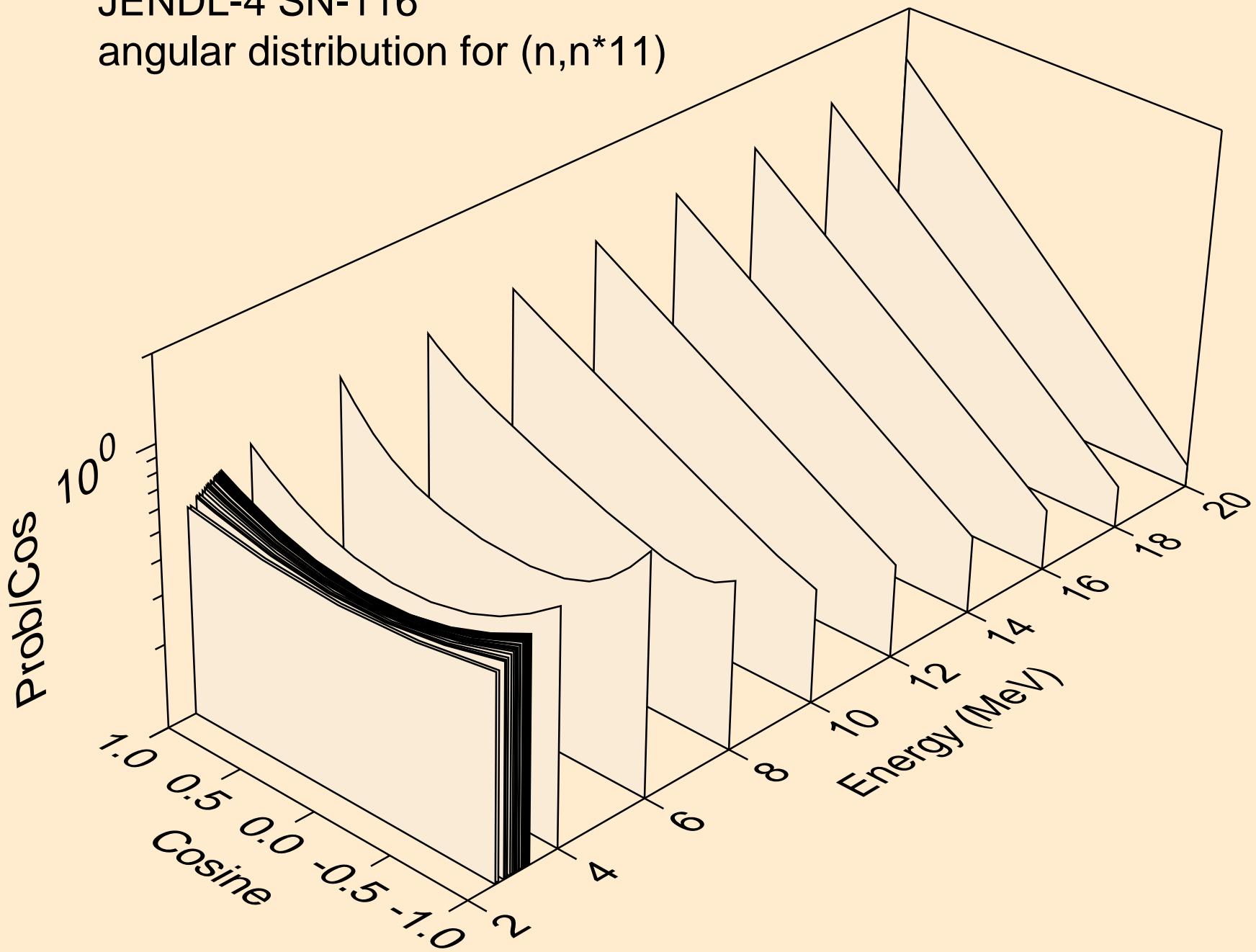
JENDL-4 SN-116  
angular distribution for  $(n,n^*)9$



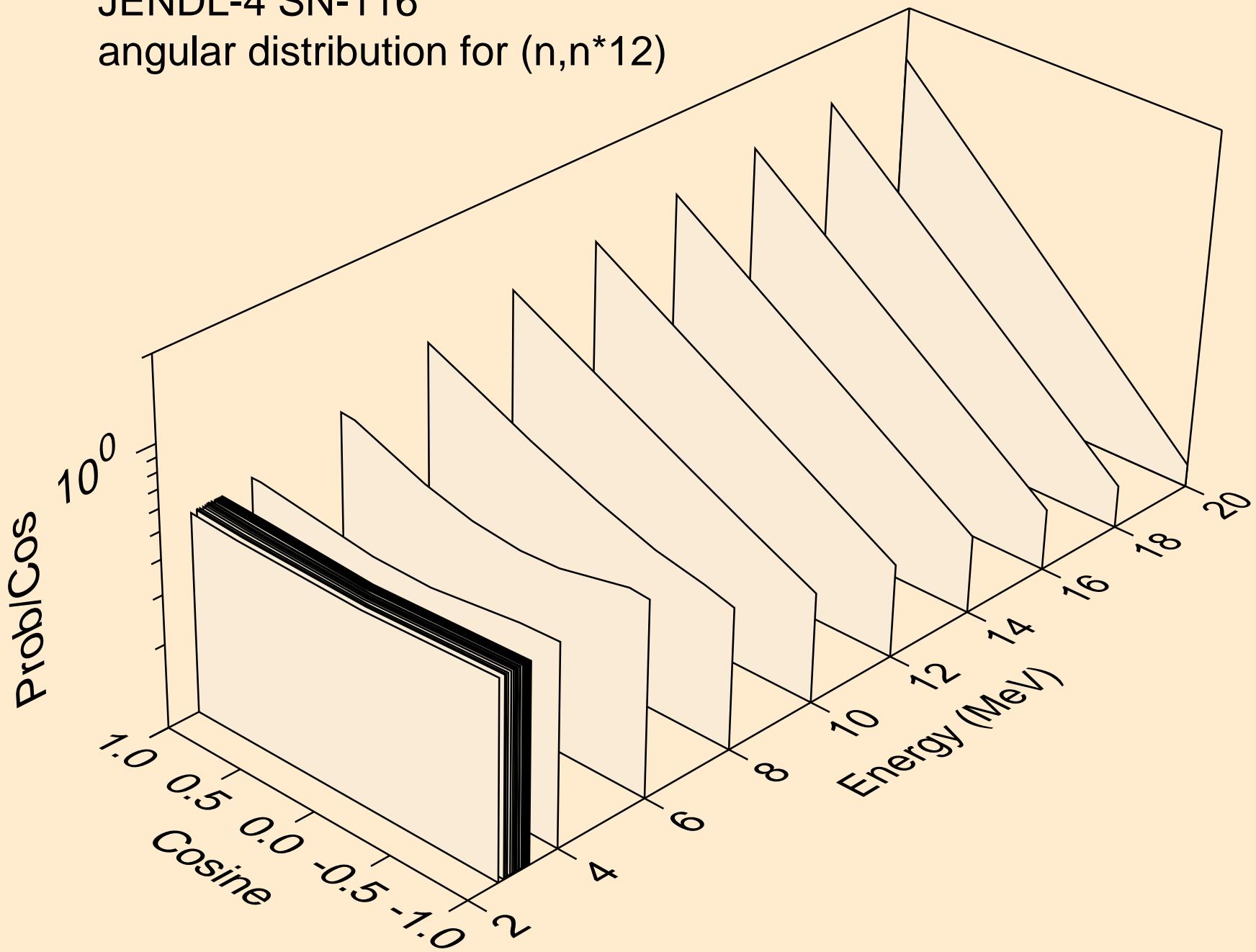
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angular distribution for (n,n\*10)



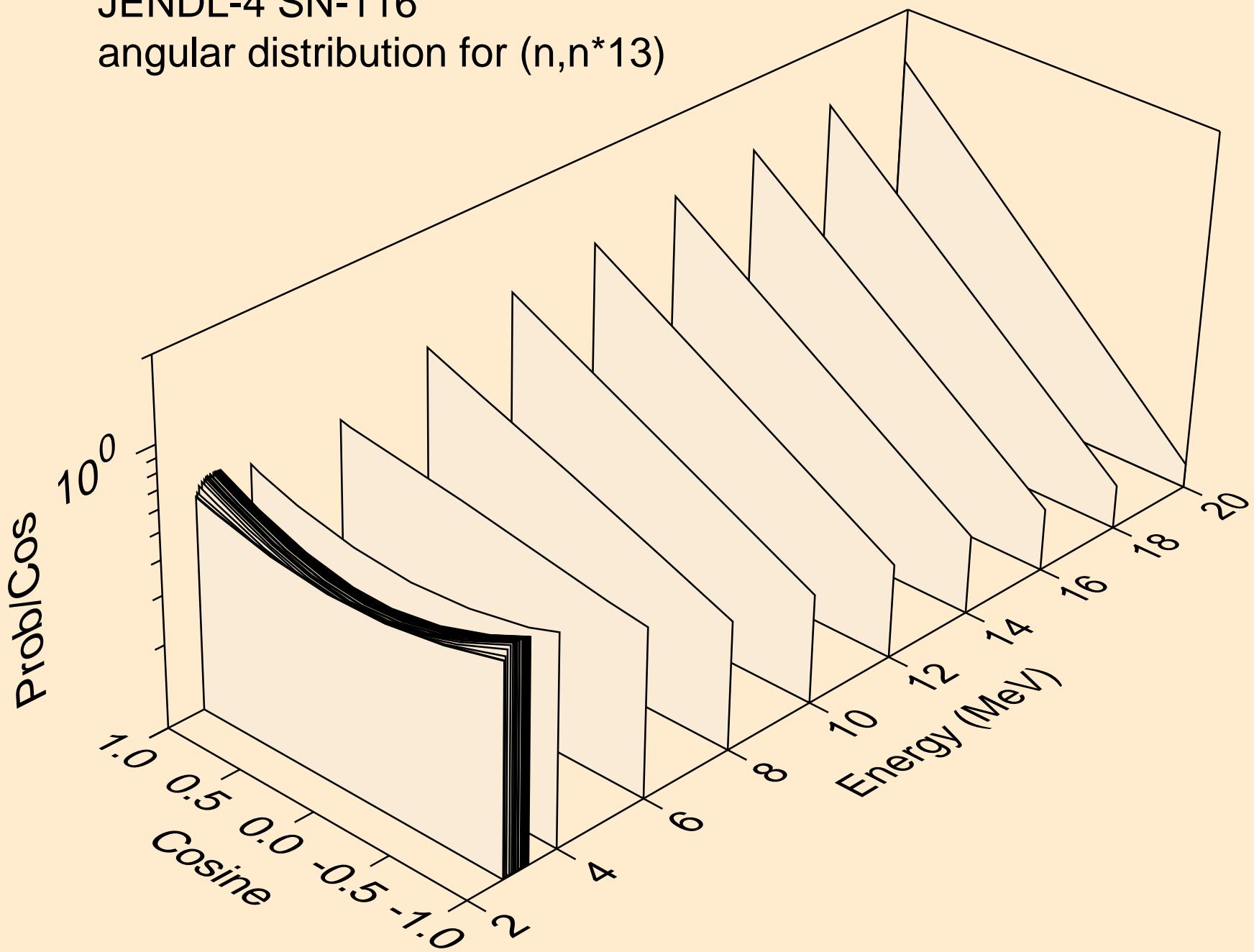
JENDL-4 SN-116  
angular distribution for  $(n,n^*11)$



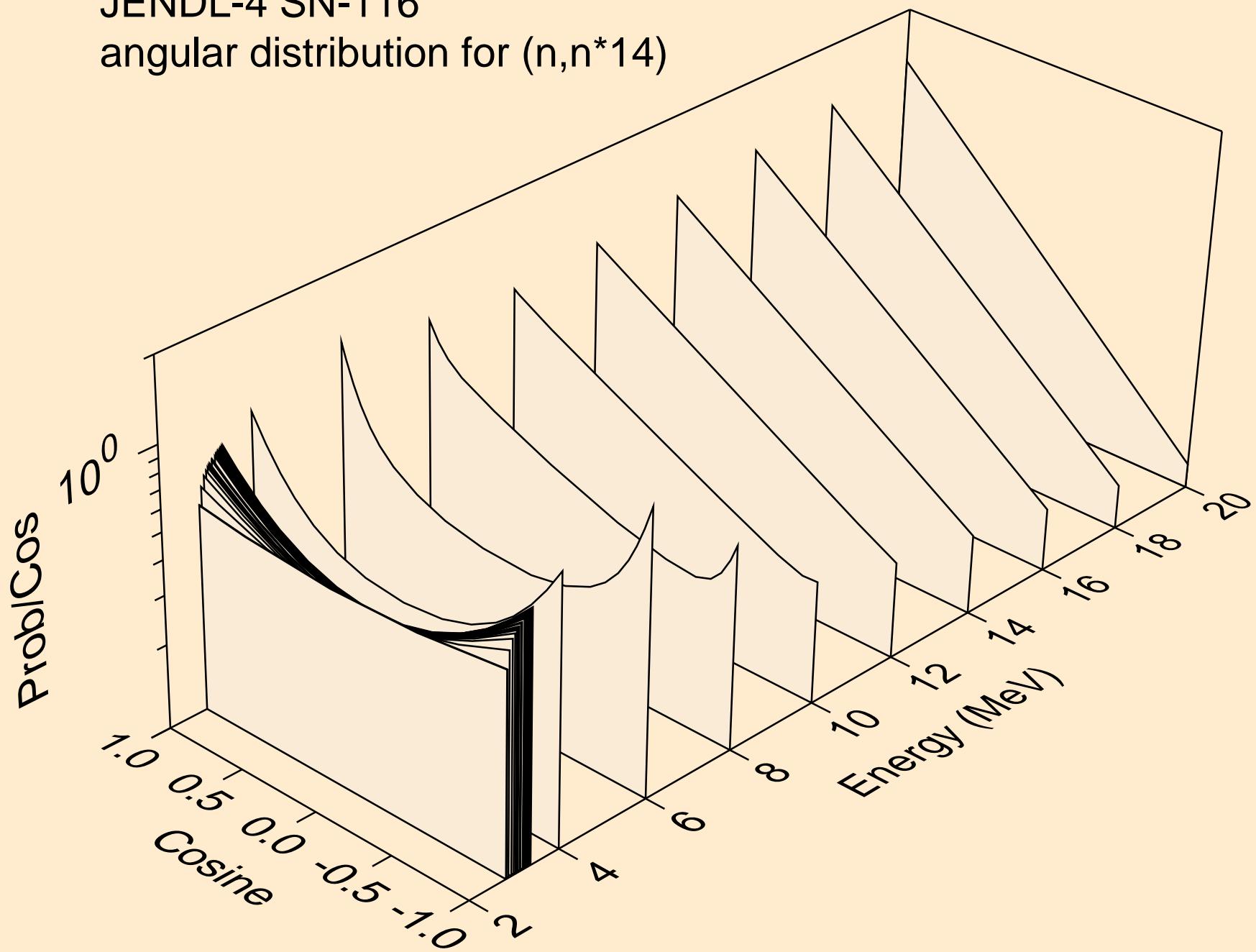
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angular distribution for (n,n\*12)



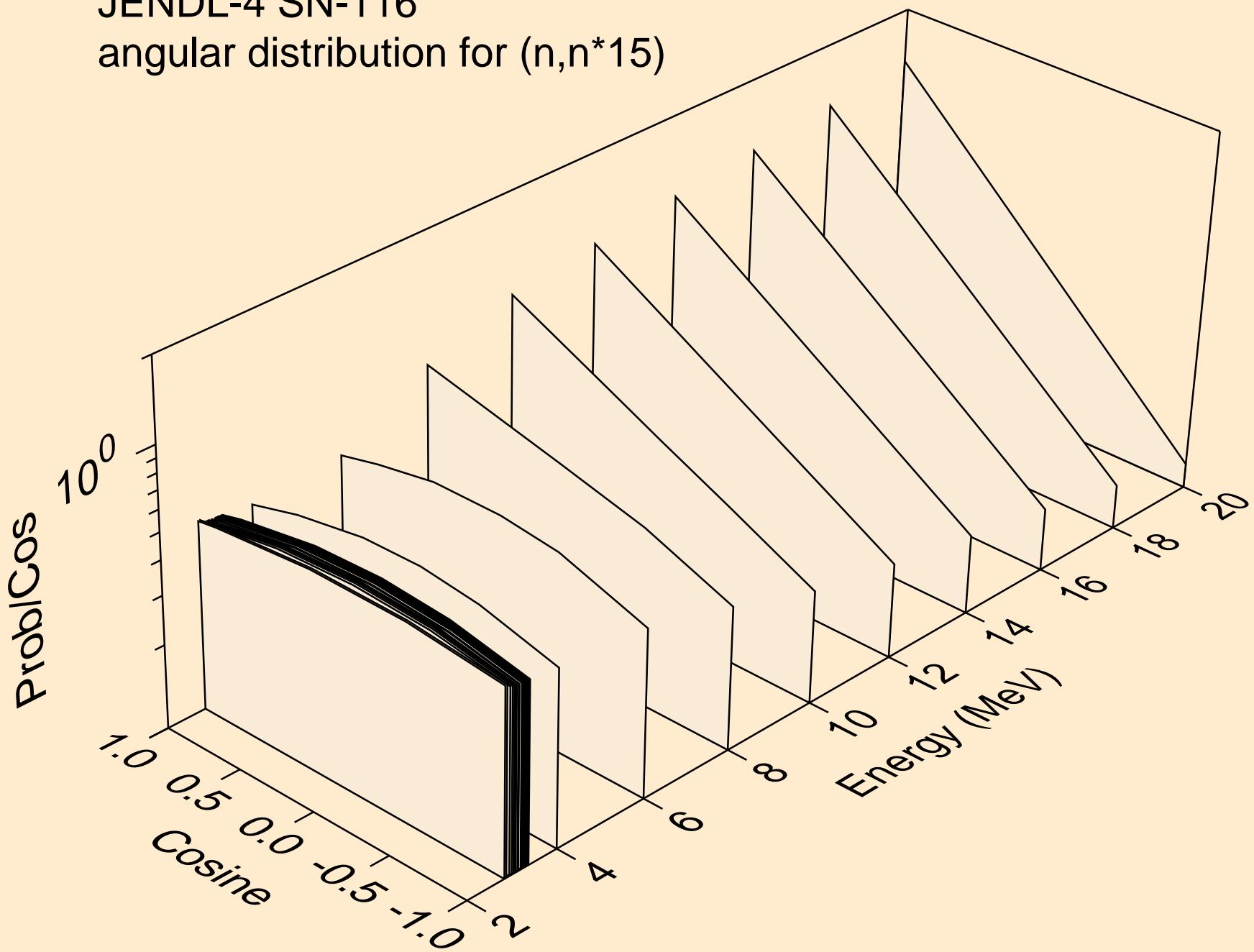
JENDL-4 SN-116  
angular distribution for (n,n\*13)



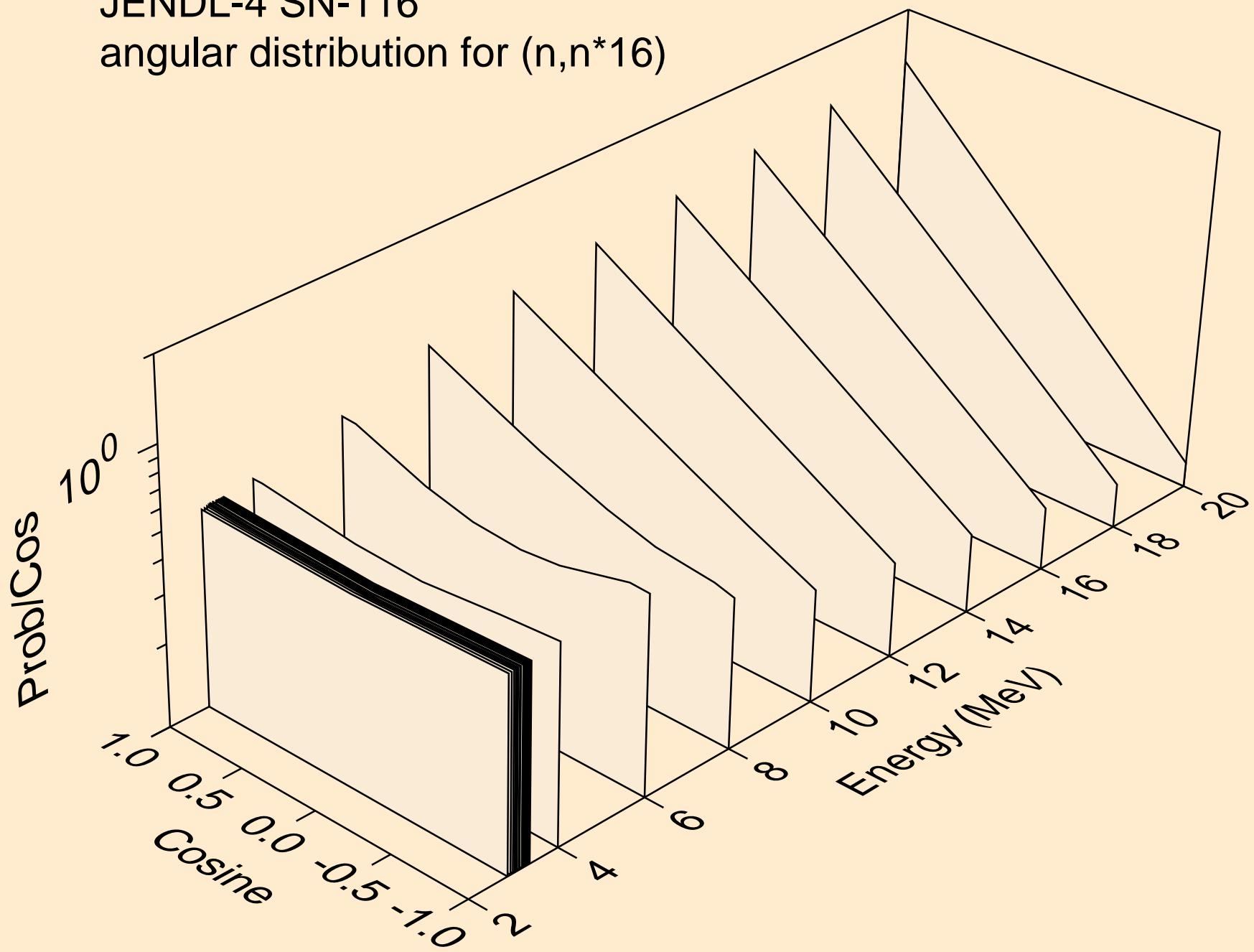
JENDL-4 SN-116  
angular distribution for ( $n,n^*14$ )



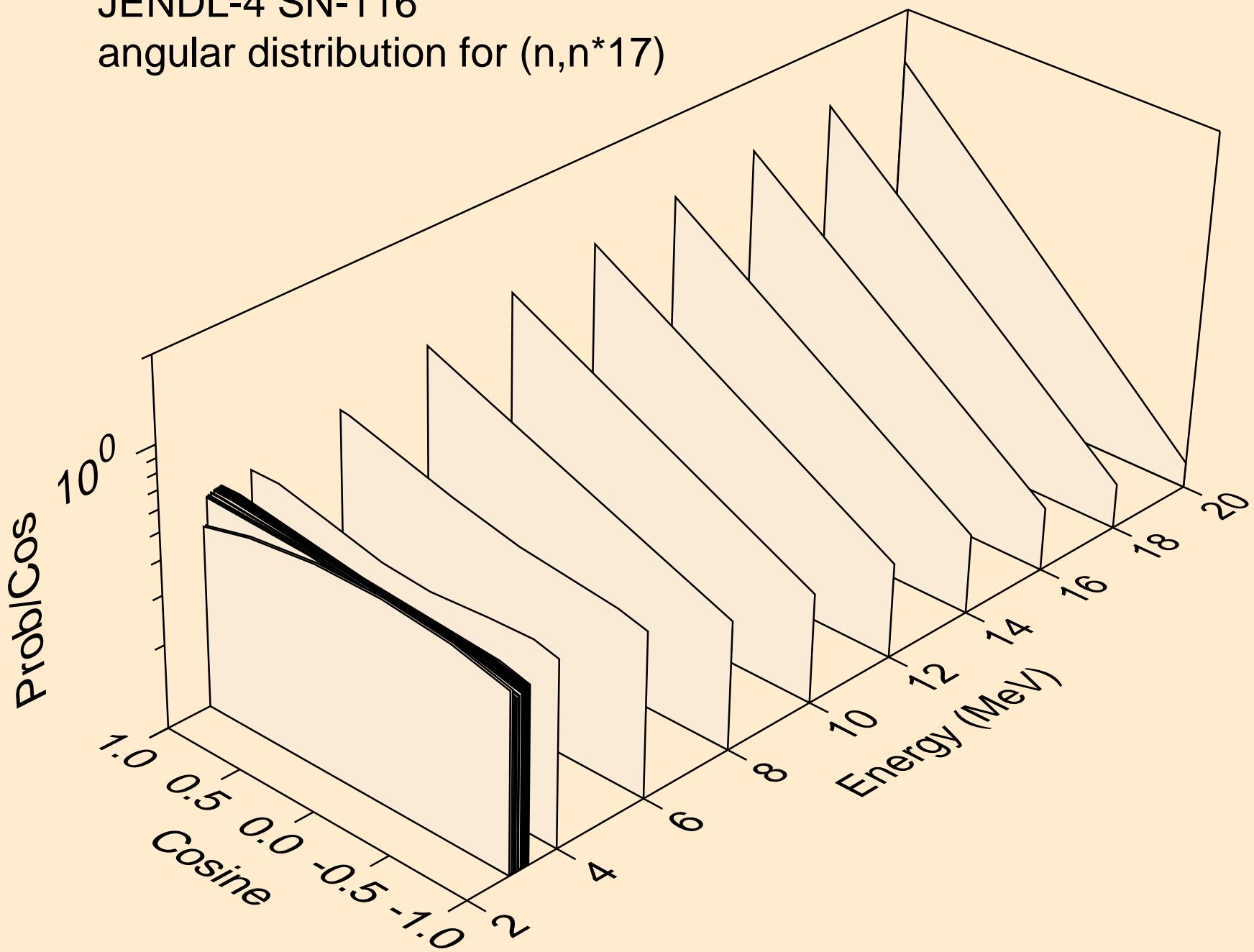
JENDL-4 SN-116  
angular distribution for (n,n\*15)



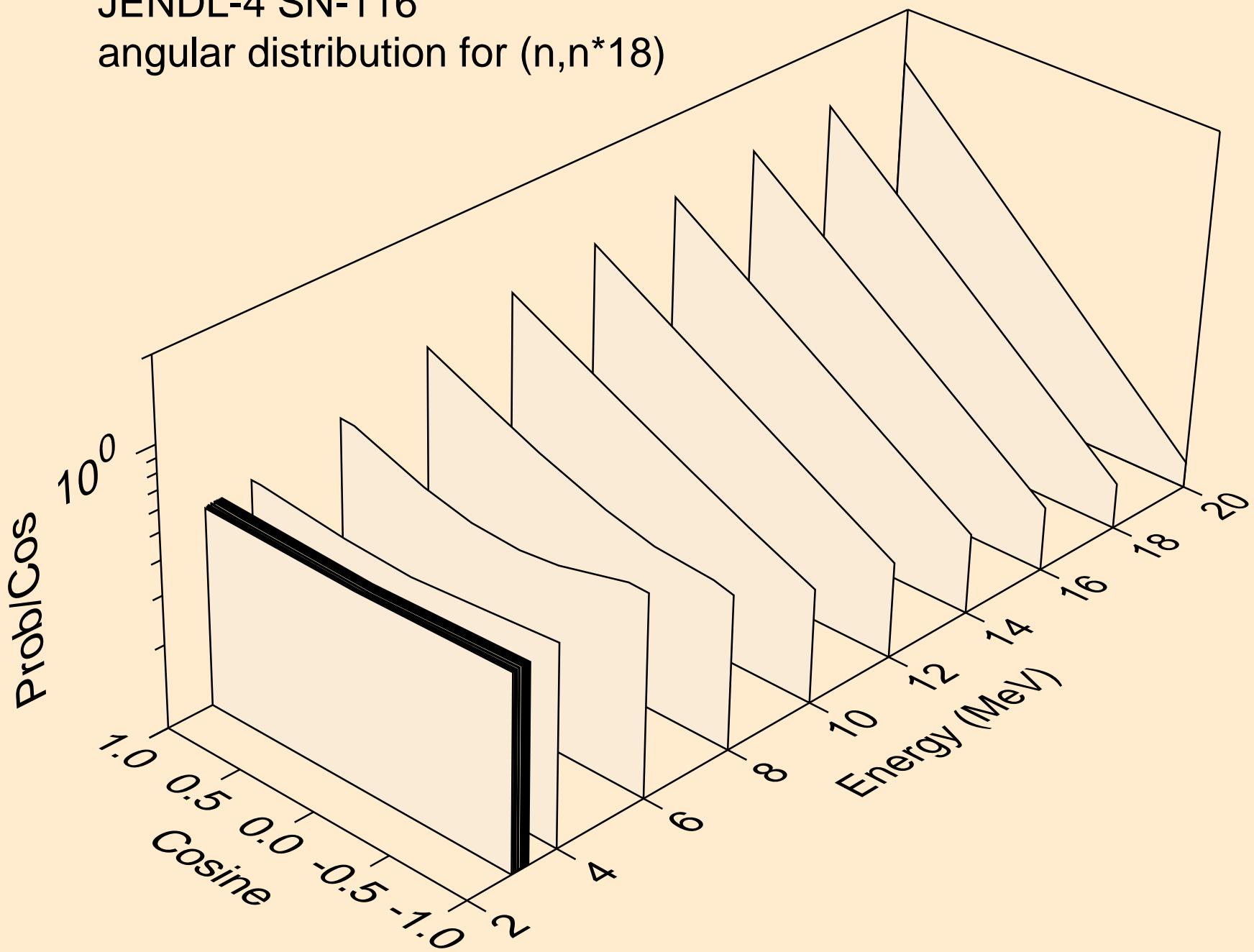
JENDL-4 SN-116  
angular distribution for (n,n\*16)



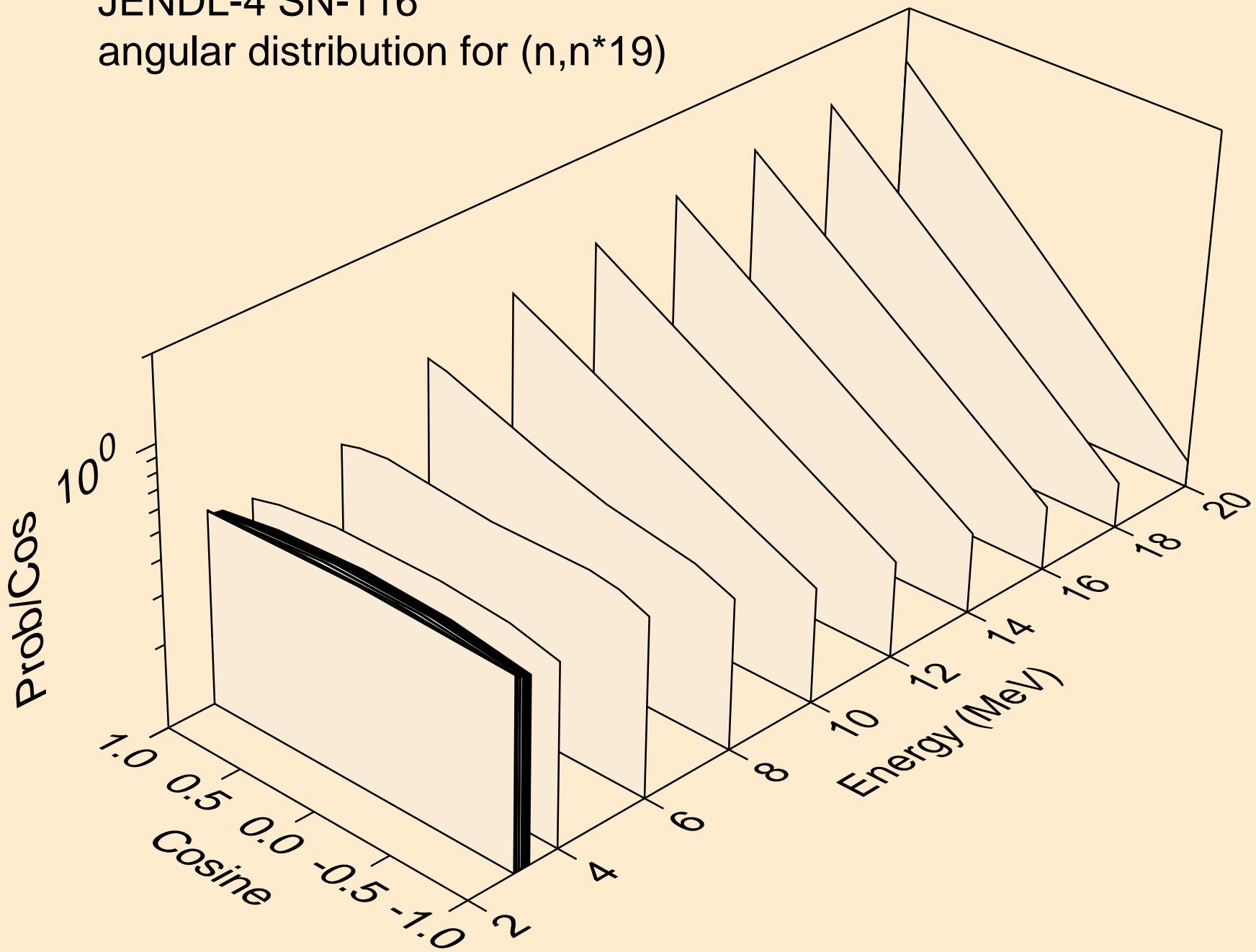
JENDL-4 SN-116  
angular distribution for ( $n, n^* 17$ )



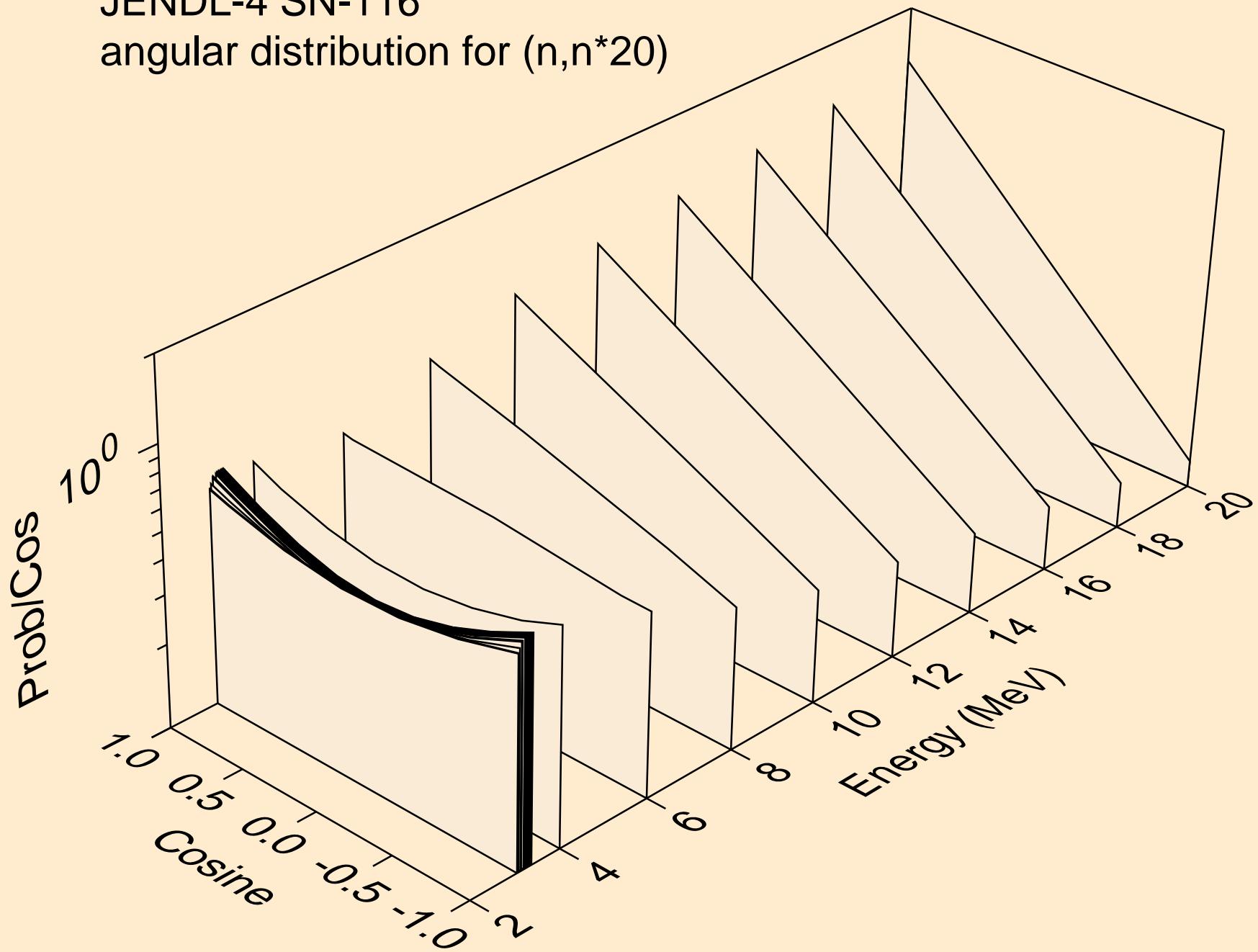
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angular distribution for (n,n\*18)



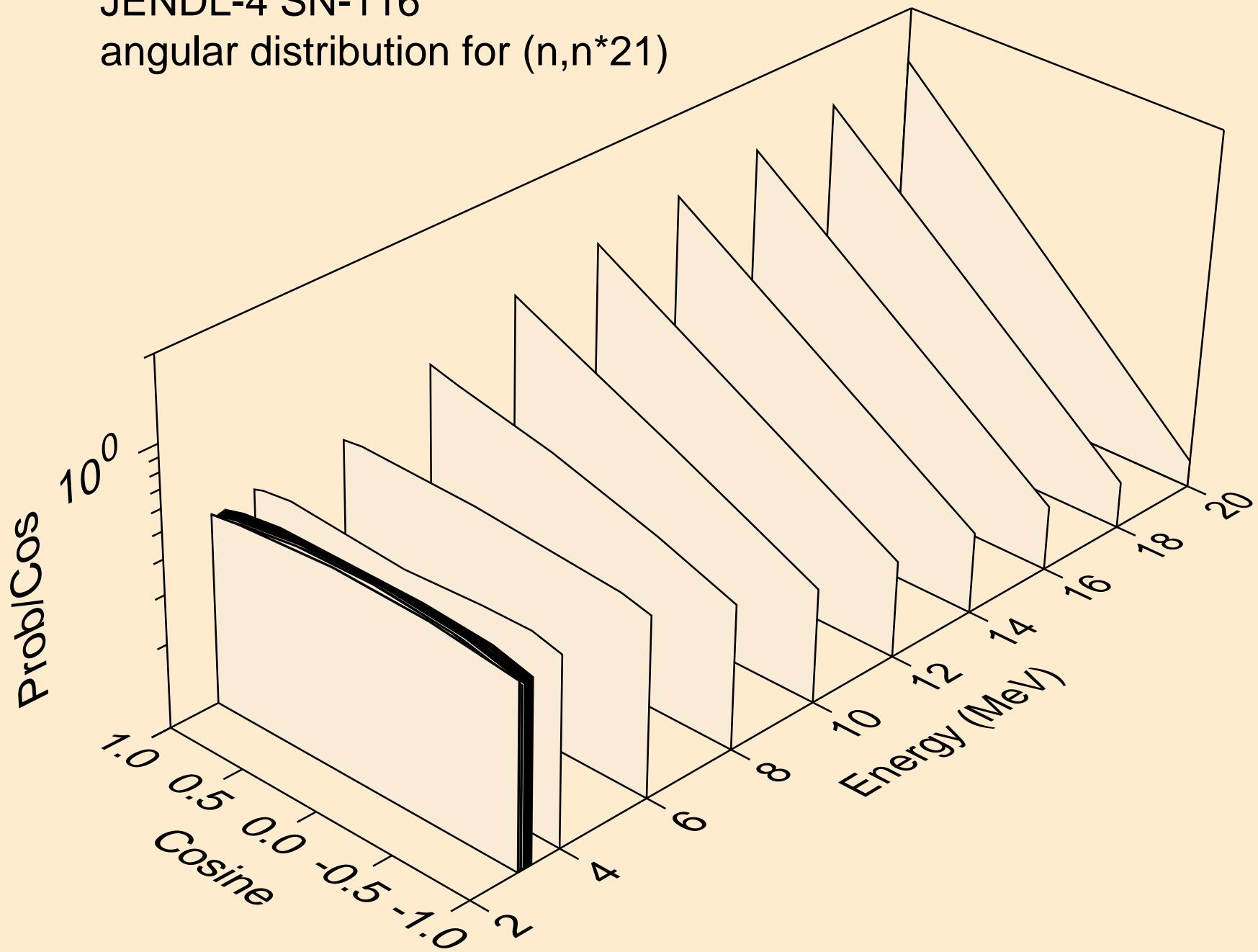
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angular distribution for (n,n\*19)



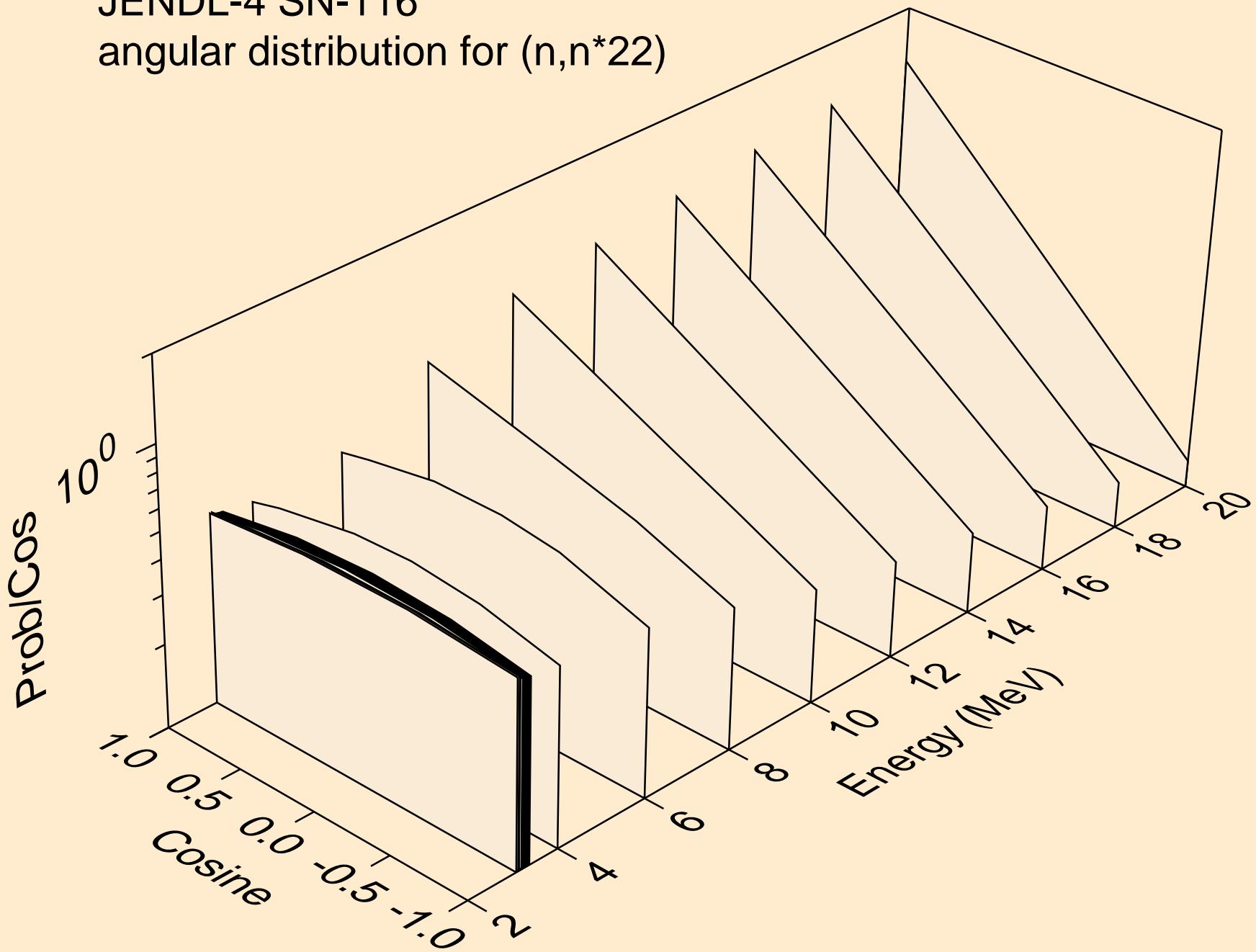
JENDL-4 SN-116  
angular distribution for (n,n\*20)



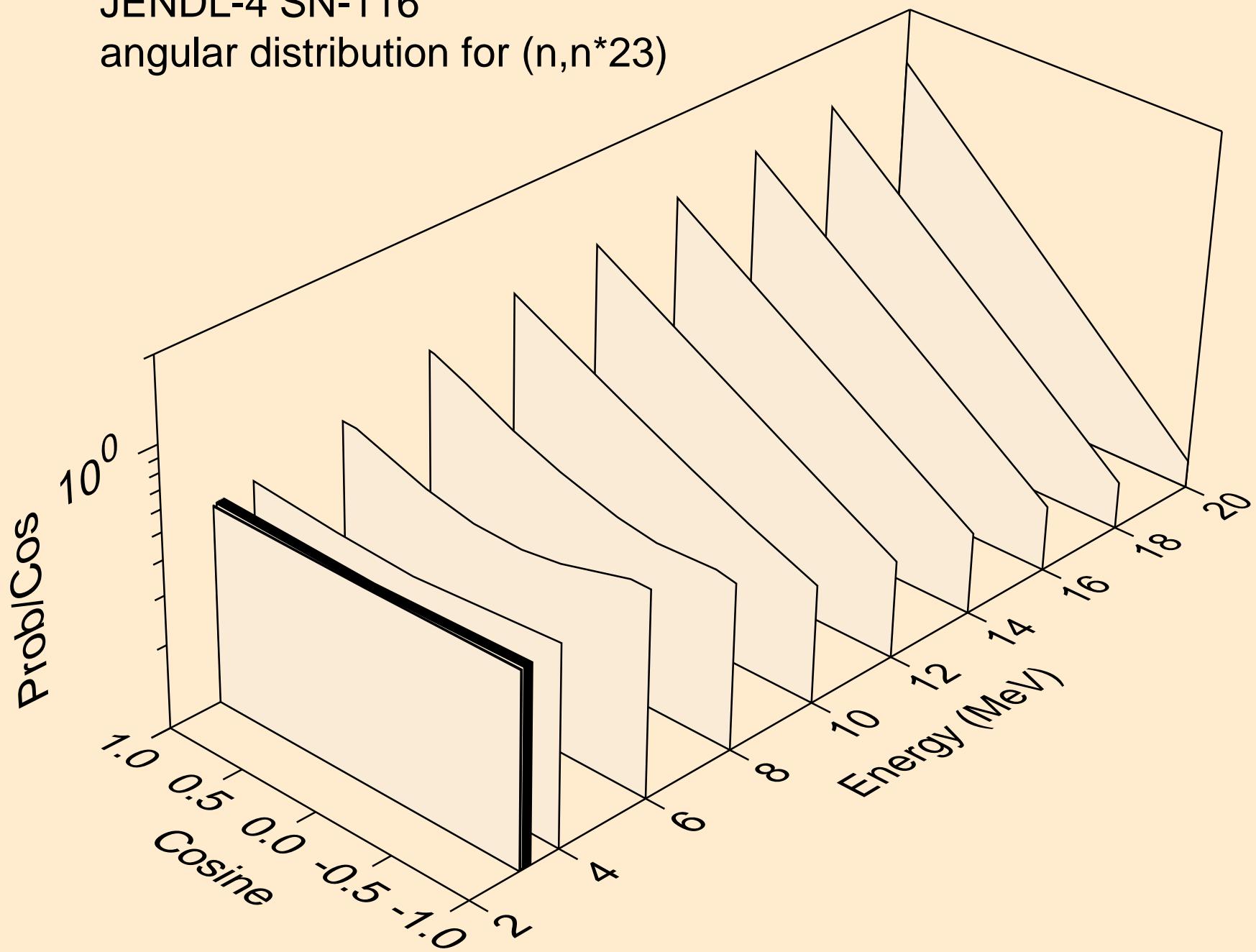
JENDL-4 SN-116  
angular distribution for ( $n,n^*$ )21



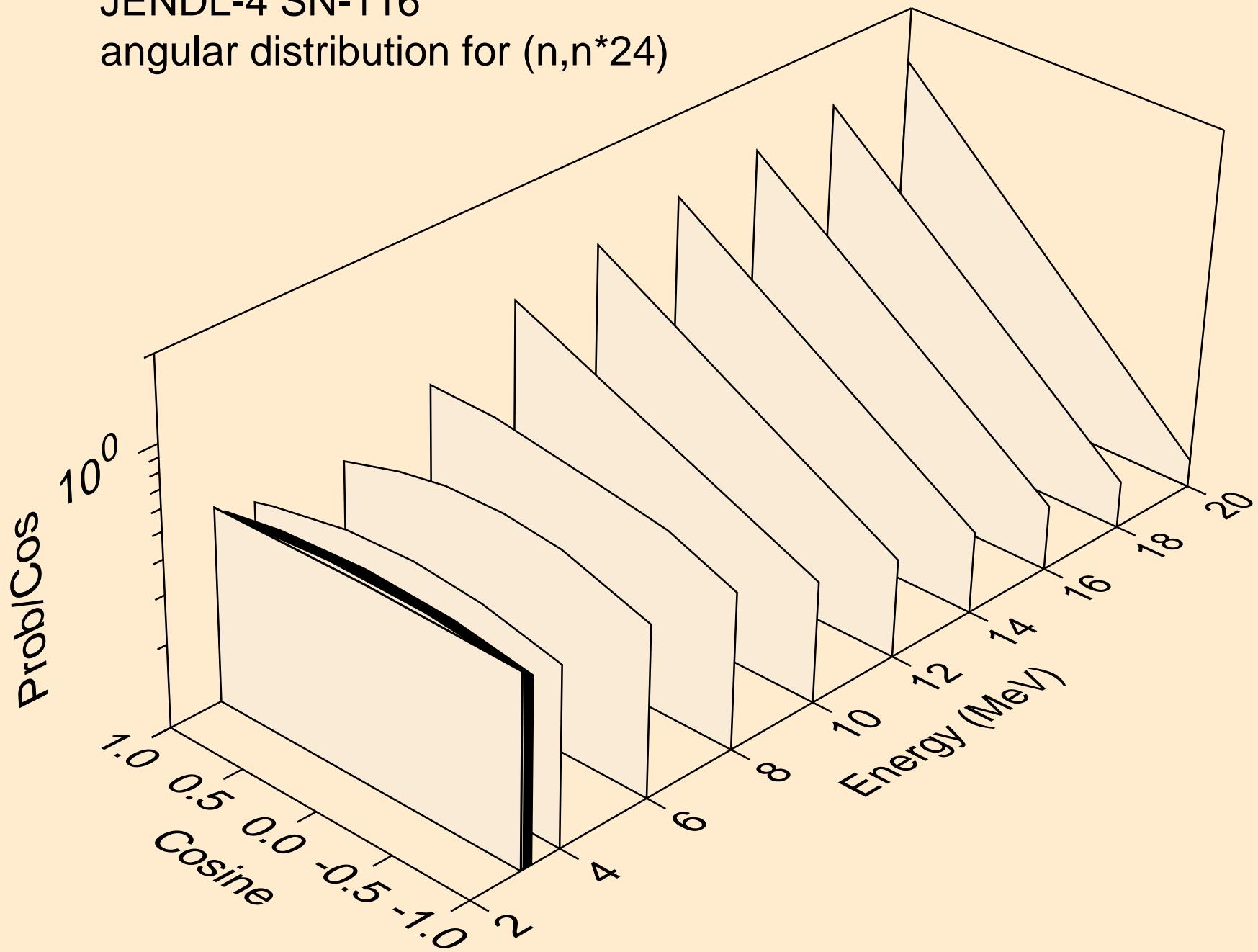
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angular distribution for ( $n, n^* 22$ )



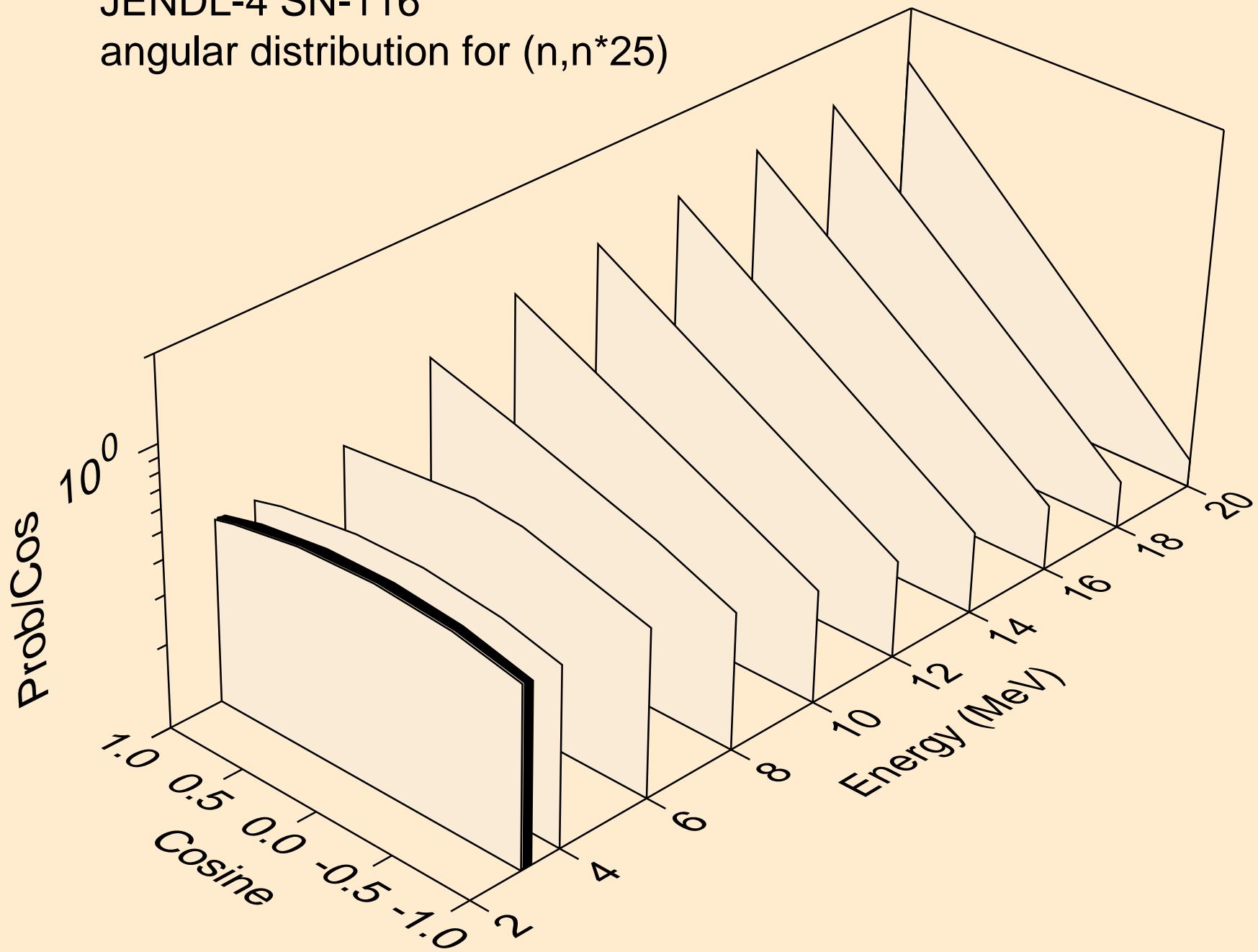
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angular distribution for (n,n\*23)



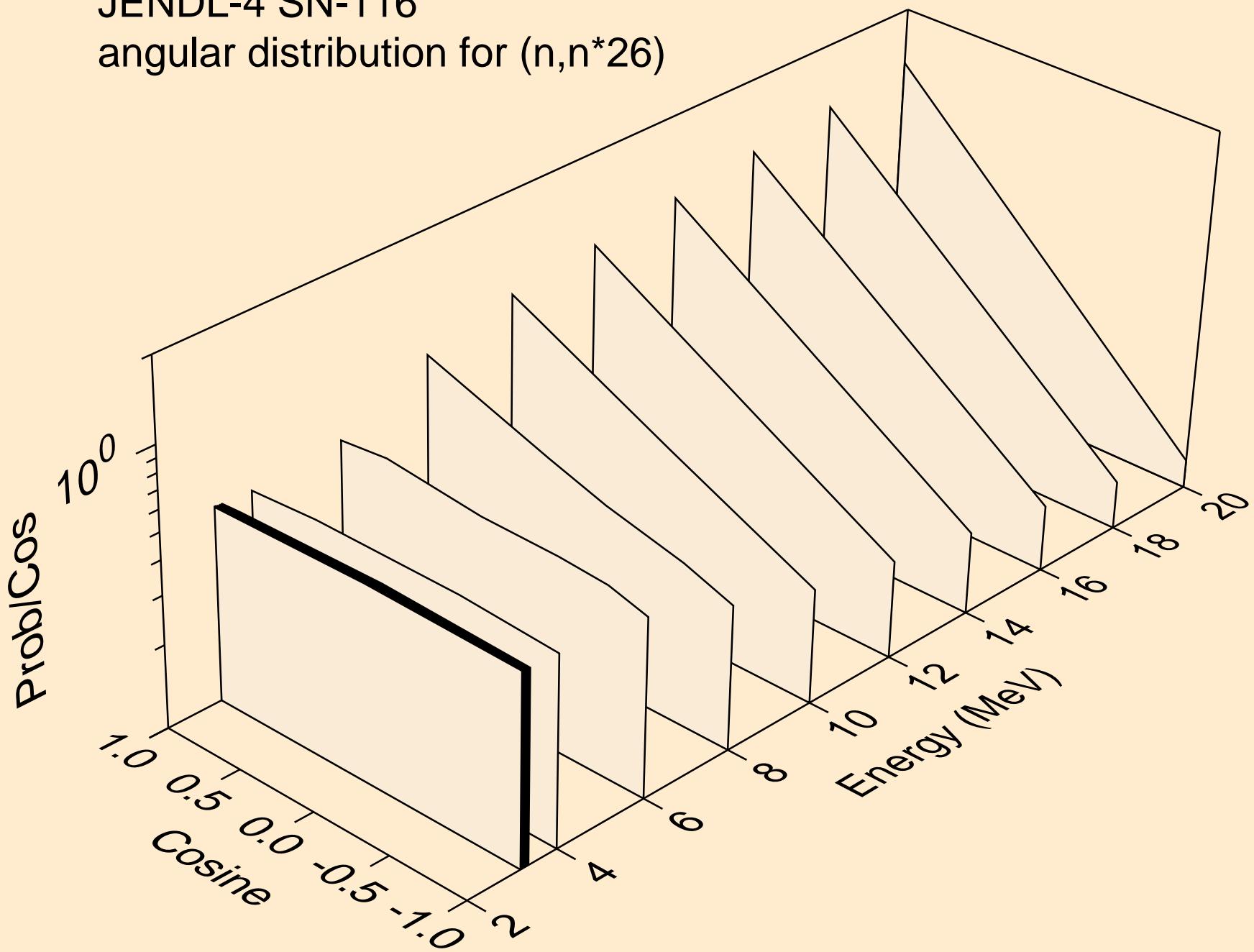
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angular distribution for ( $n, n^* 24$ )



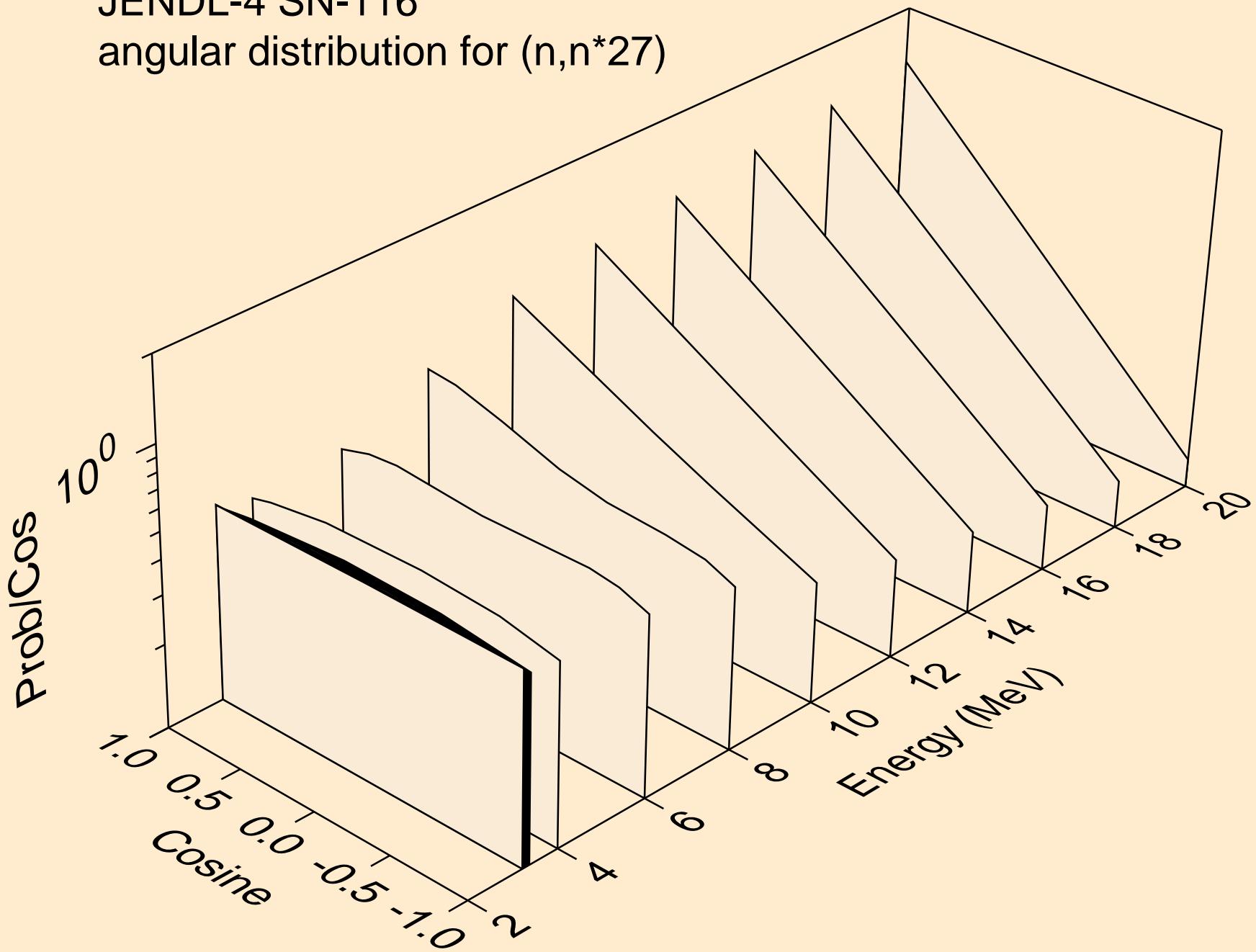
JENDL-4 SN-116  
angular distribution for (n,n\*25)



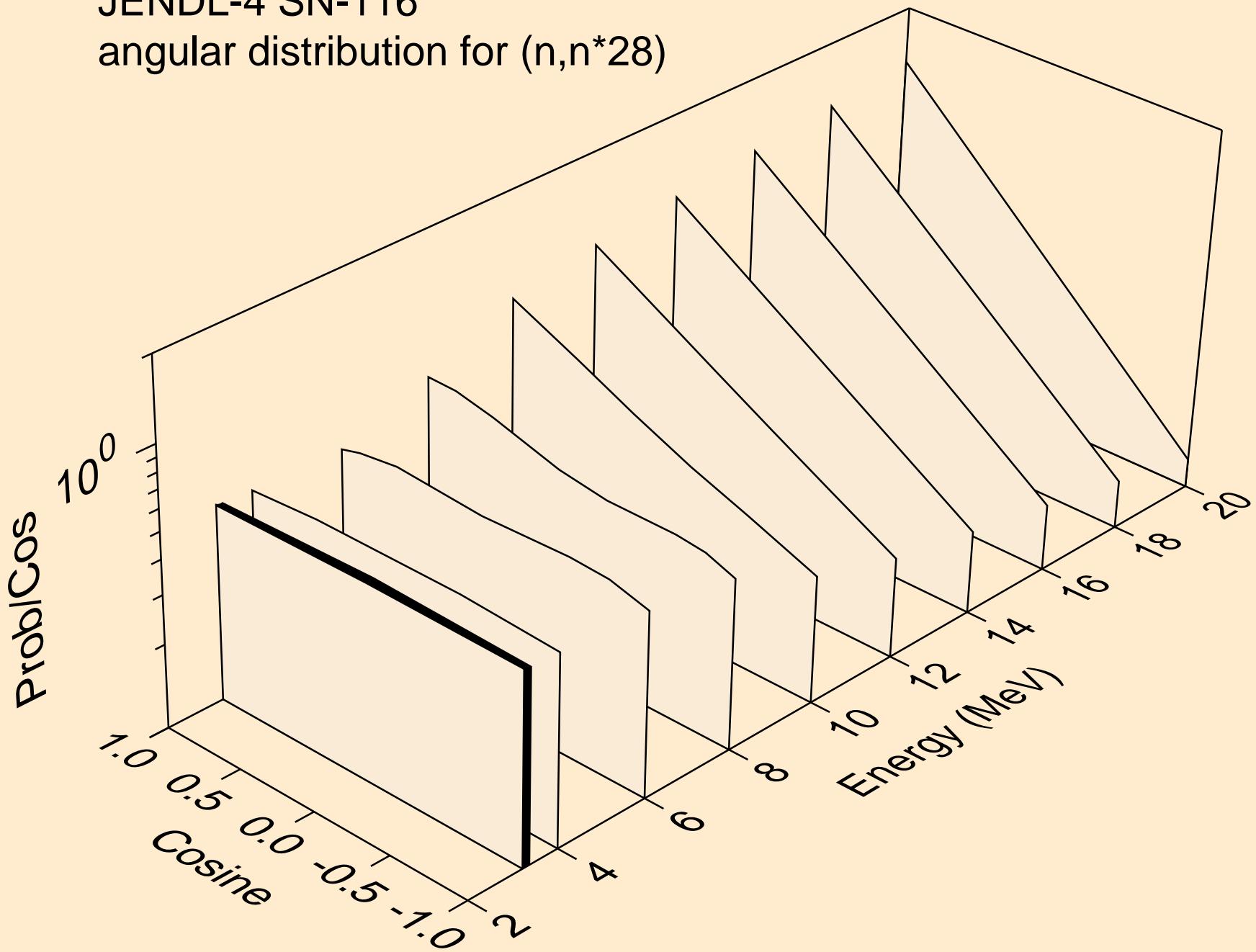
JENDL-4 SN-116  
angular distribution for (n,n\*26)



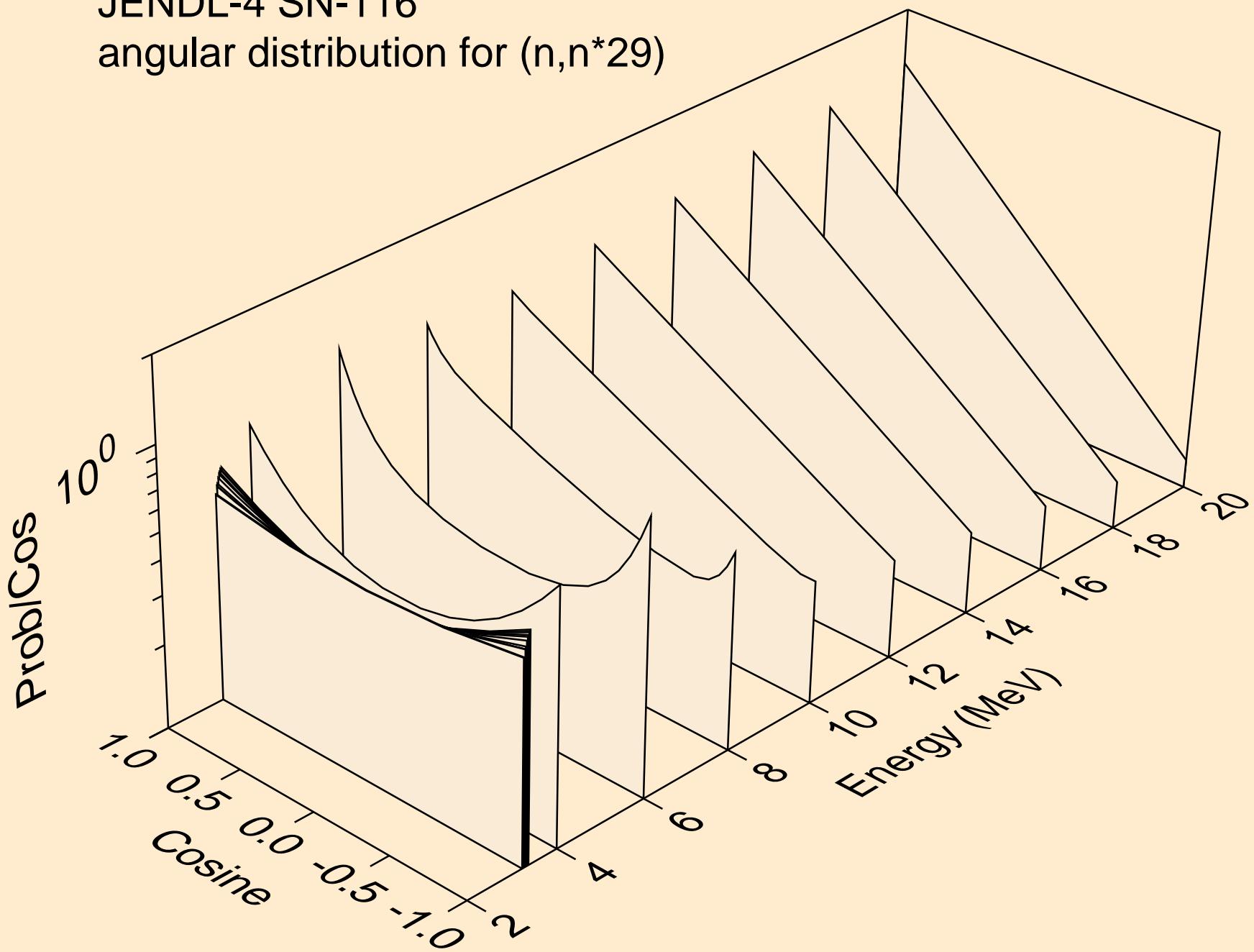
JENDL-4 SN-116  
angular distribution for ( $n, n^* 27$ )



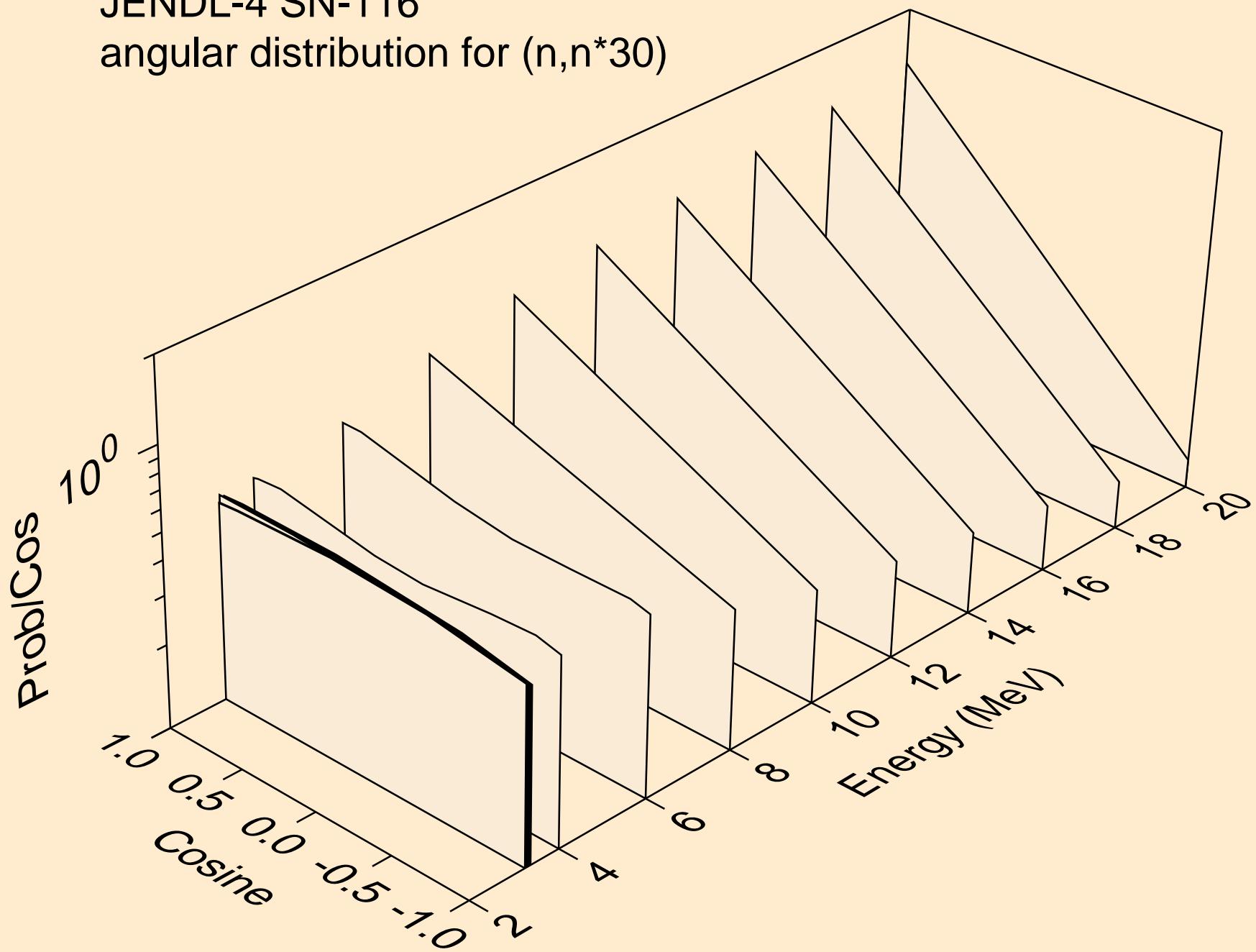
JENDL-4 SN-116  
angular distribution for (n,n\*28)



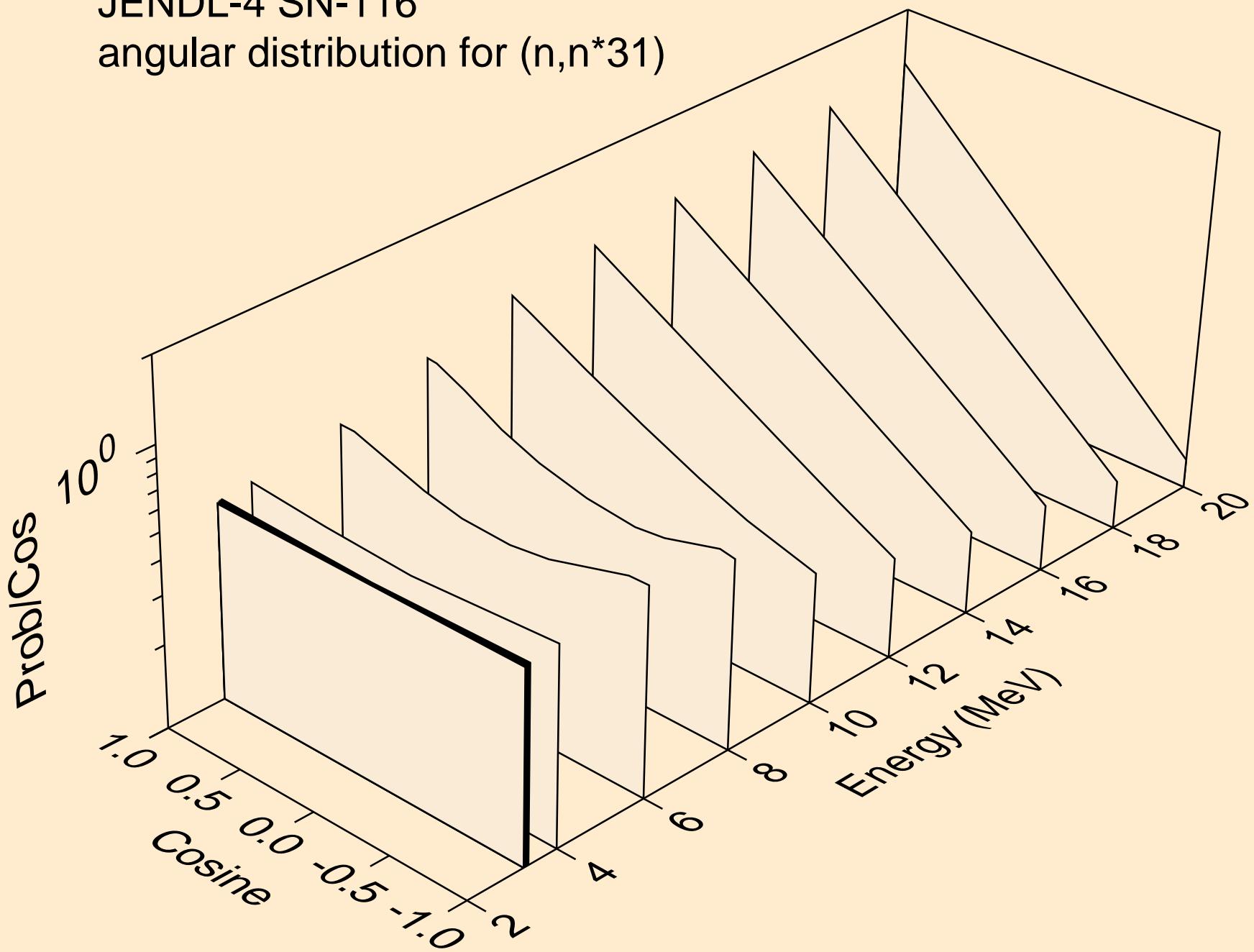
JENDL-4 SN-116  
angular distribution for  $(n,n^*29)$



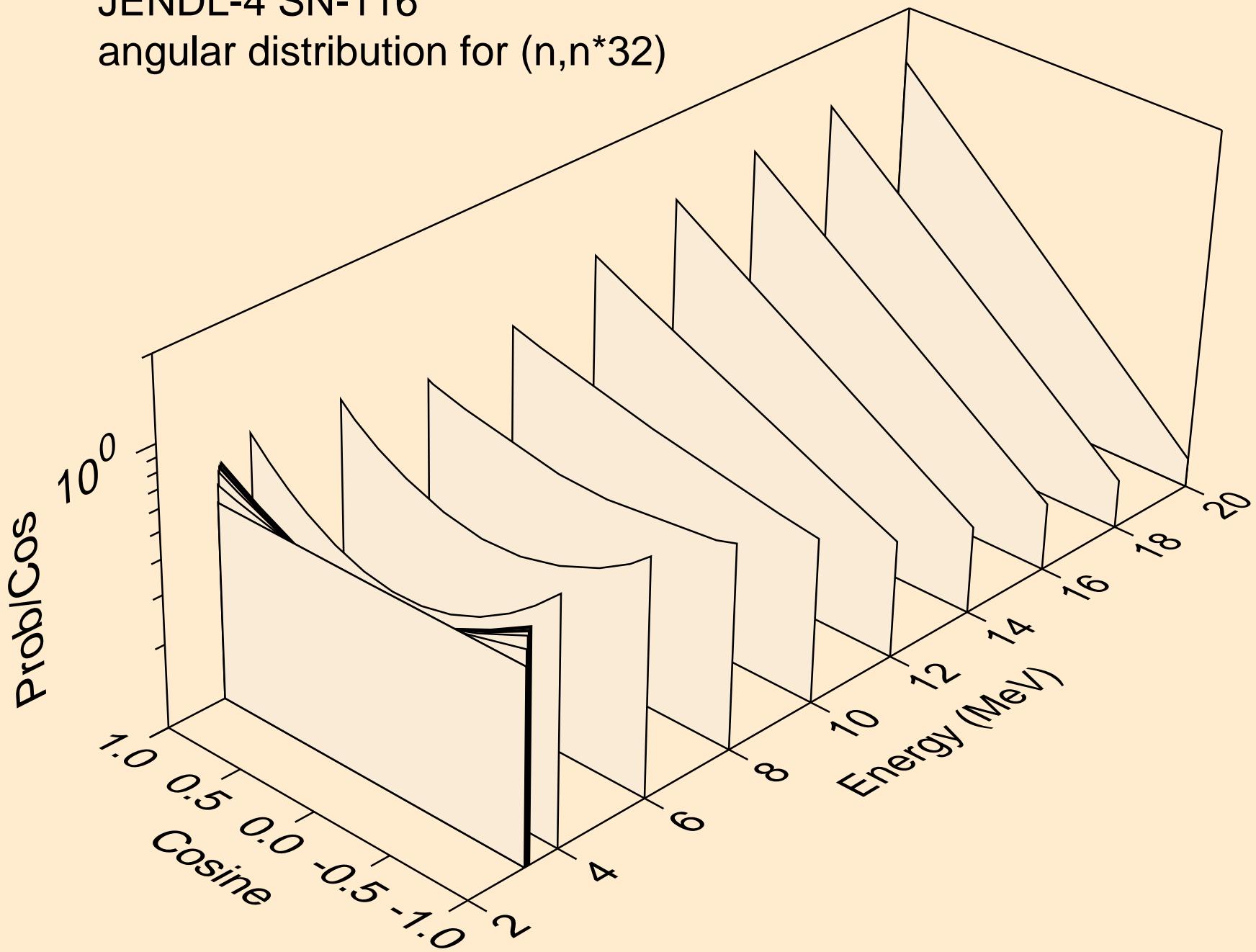
JENDL-4 SN-116  
angular distribution for (n,n\*30)



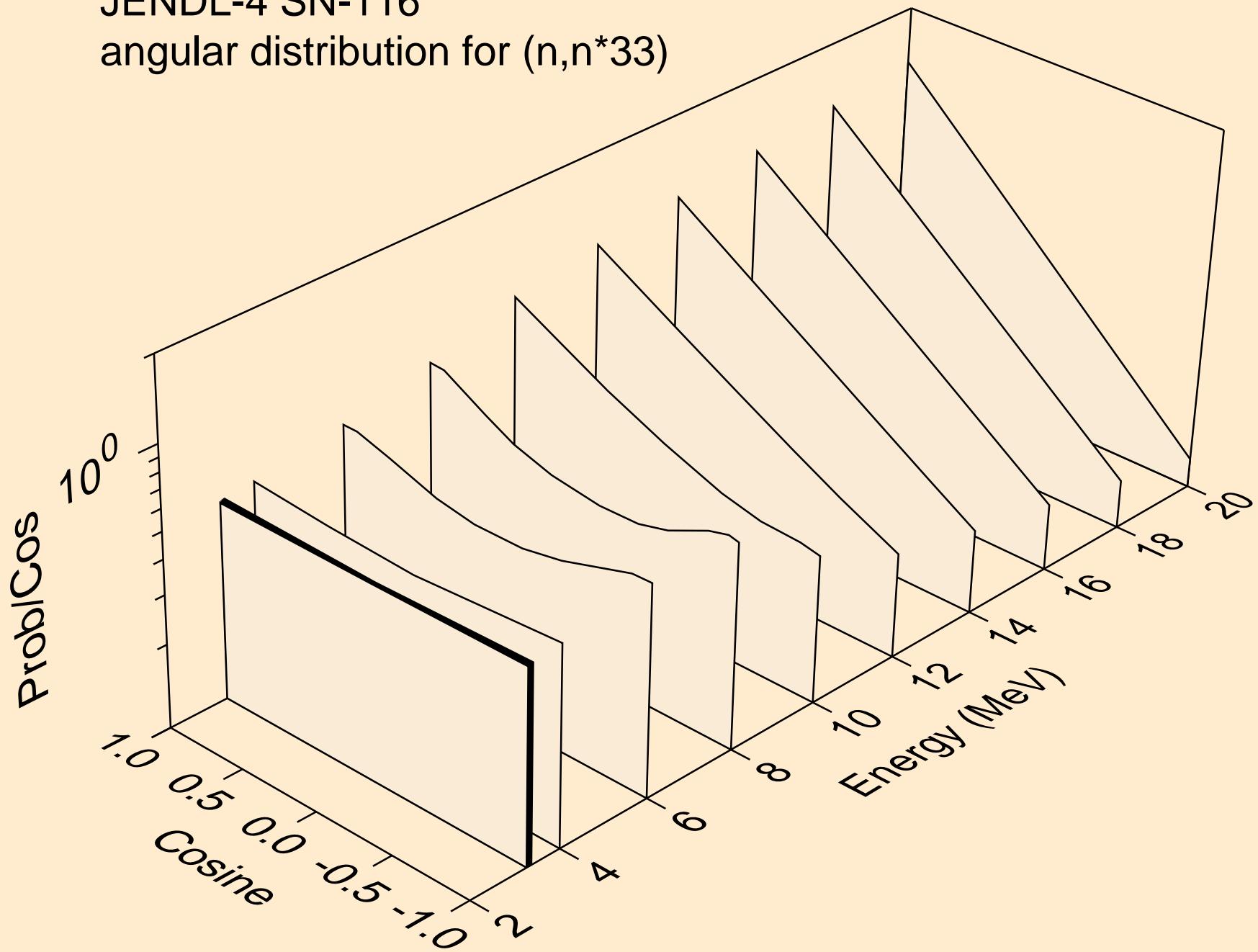
JENDL-4 SN-116  
angular distribution for ( $n,n^*$ 31)



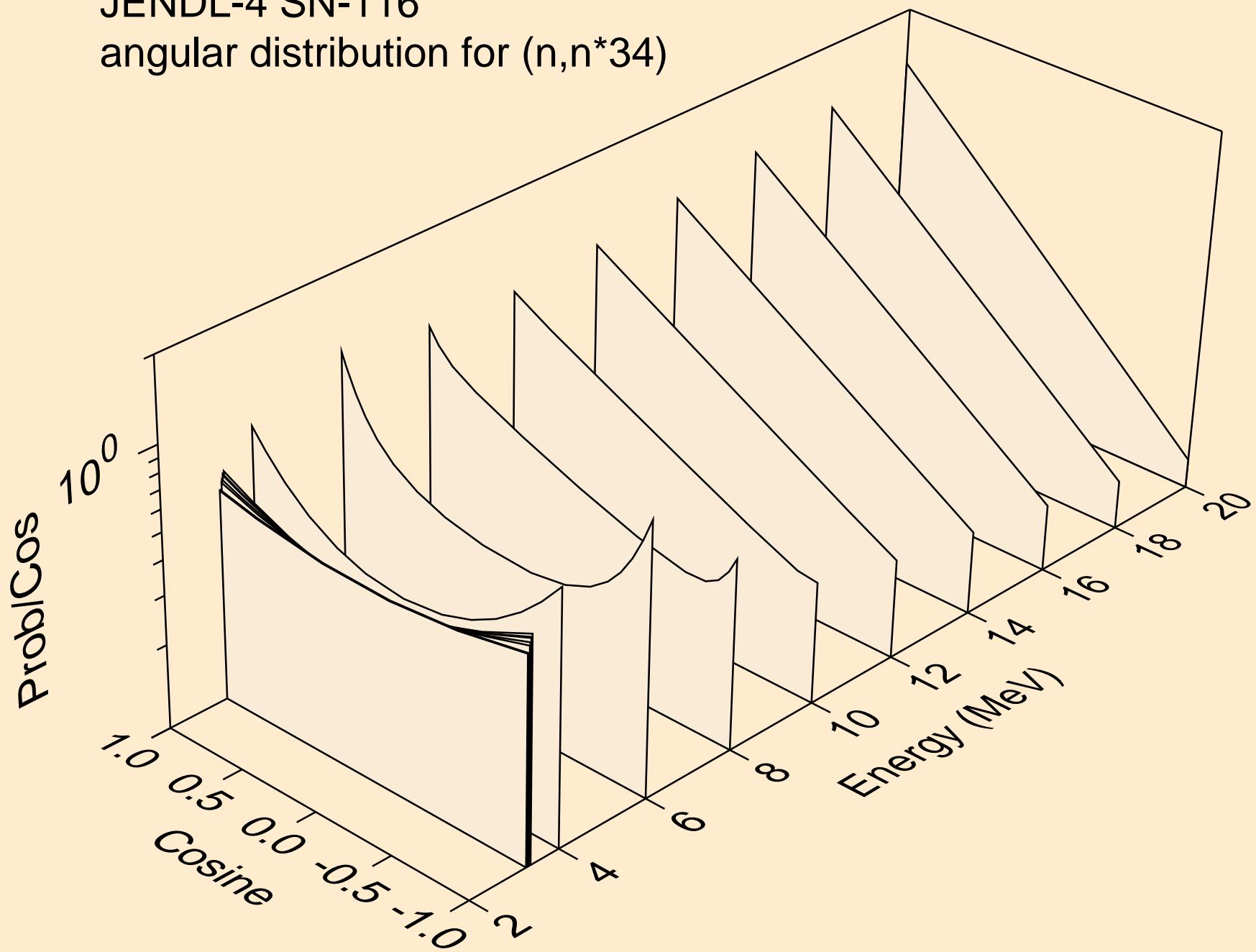
JENDL-4 SN-116  
angular distribution for (n,n\*32)



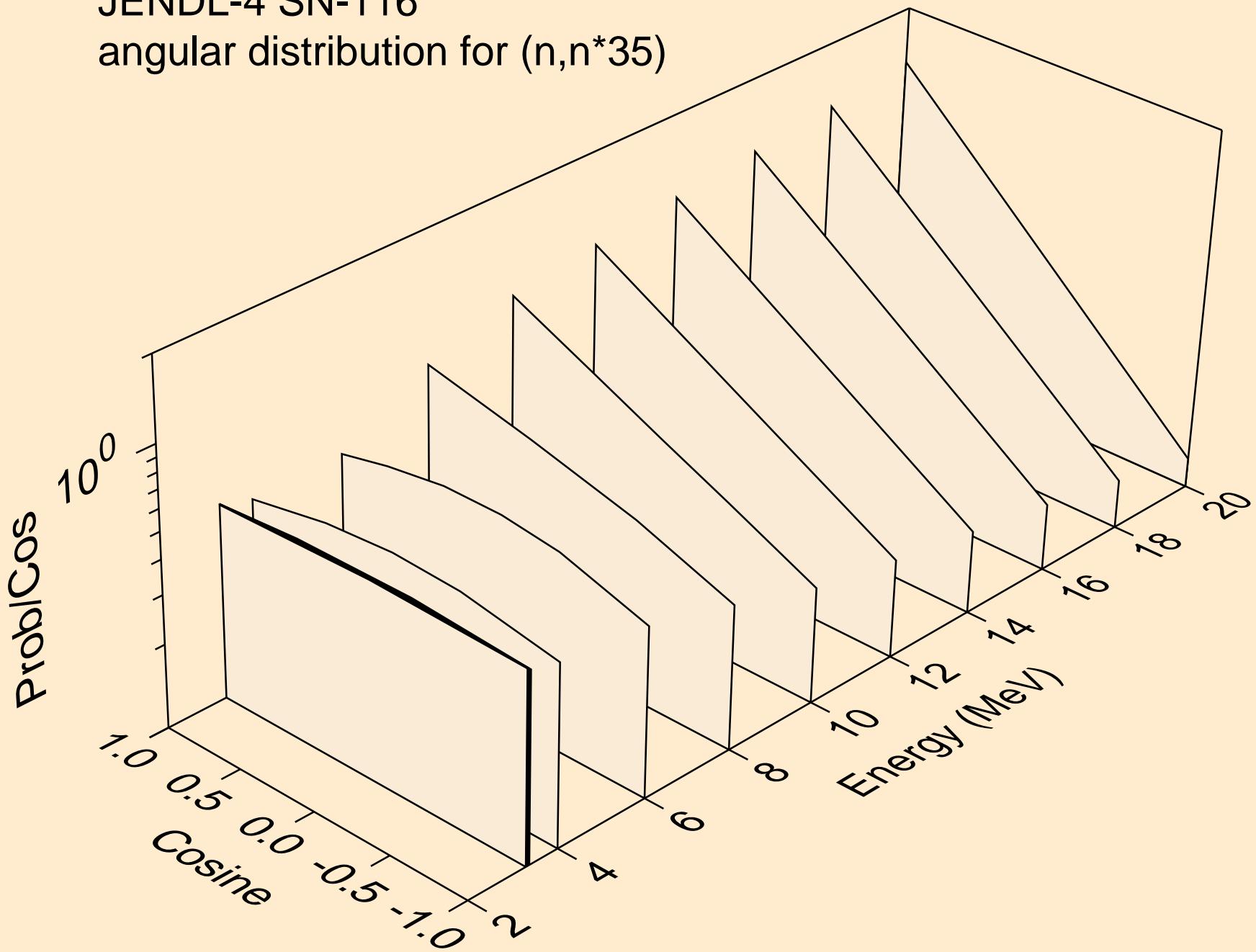
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angular distribution for ( $n, n^* 33$ )



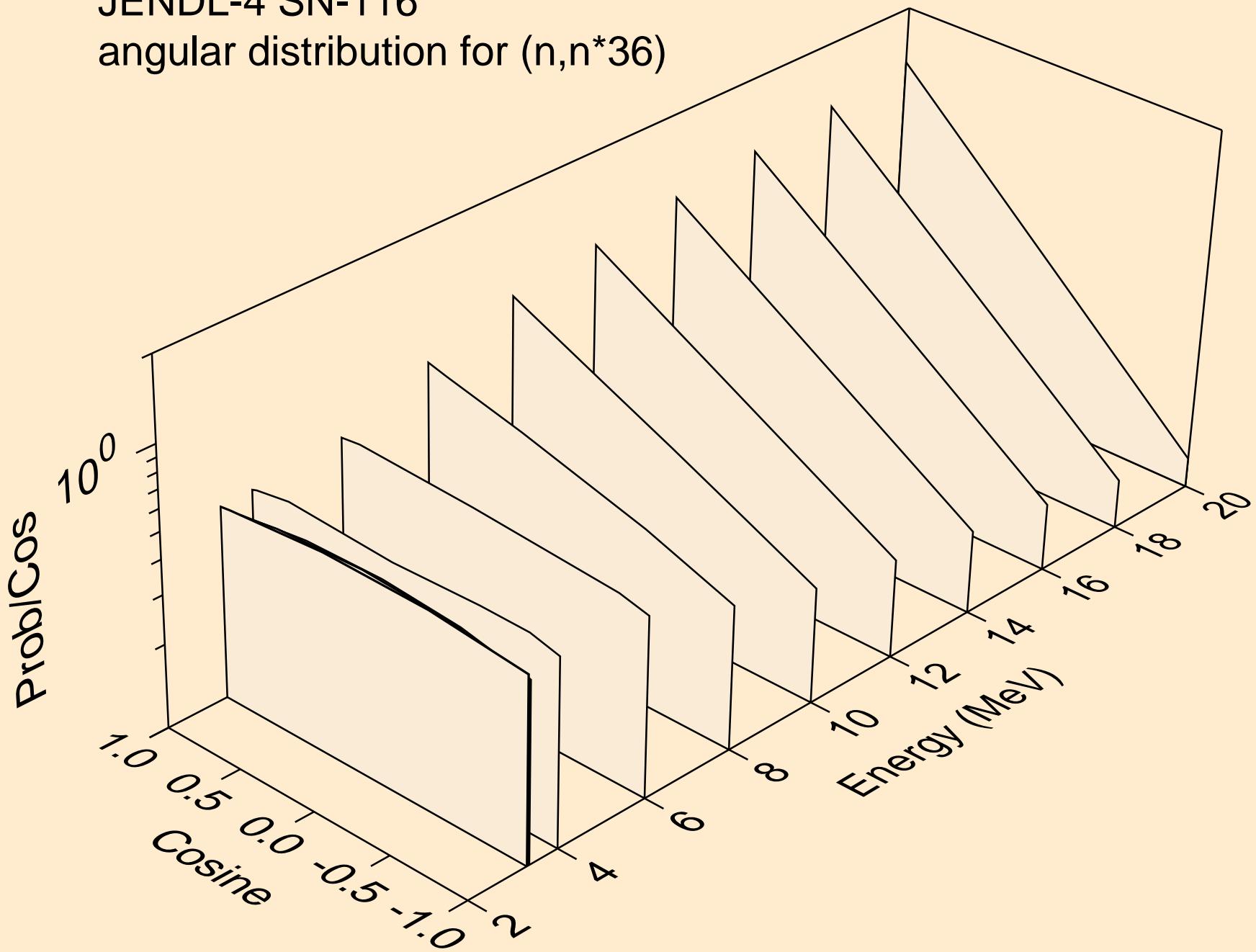
JENDL-4 SN-116  
angular distribution for ( $n, n^* 34$ )



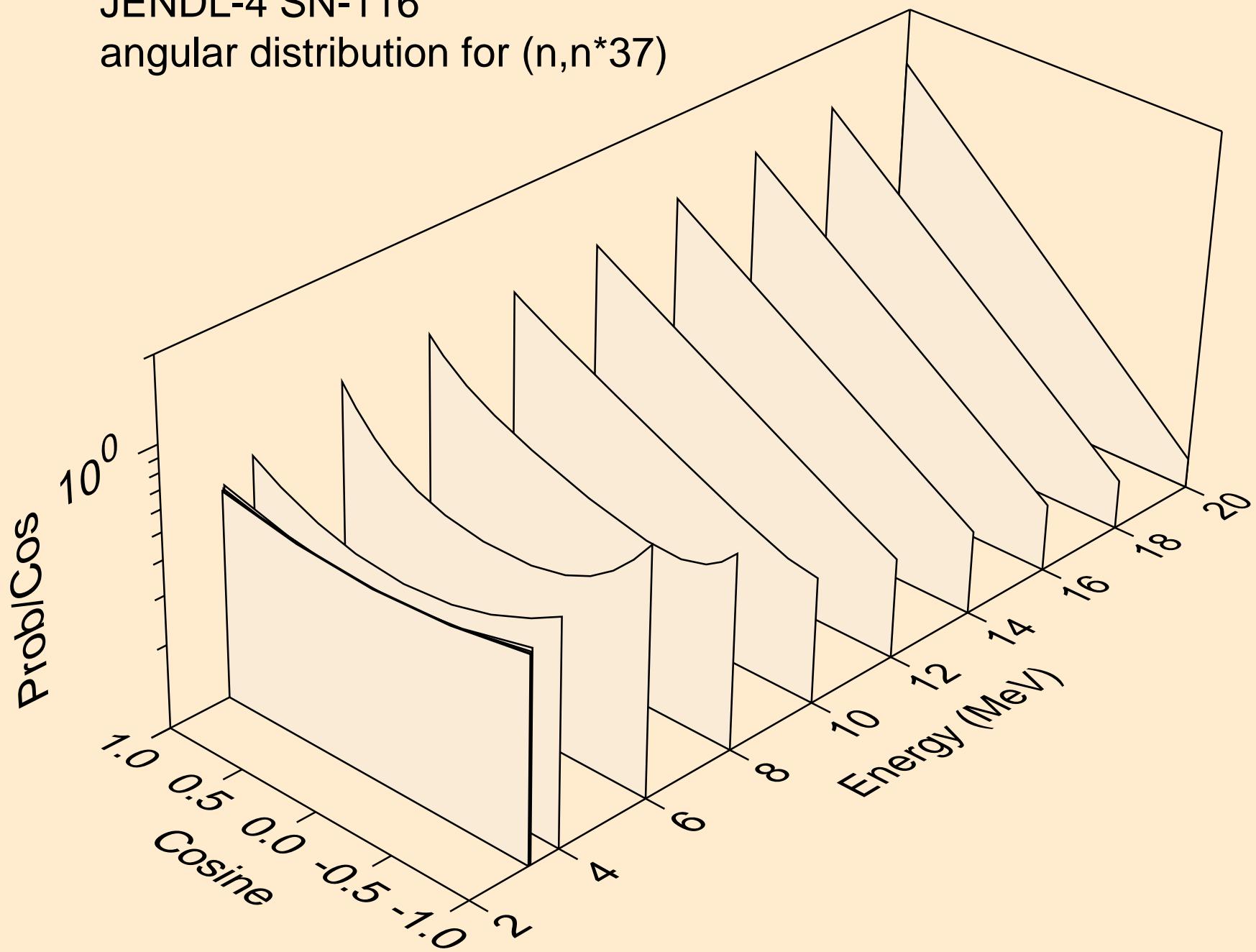
JENDL-4 SN-116  
angular distribution for (n,n\*35)



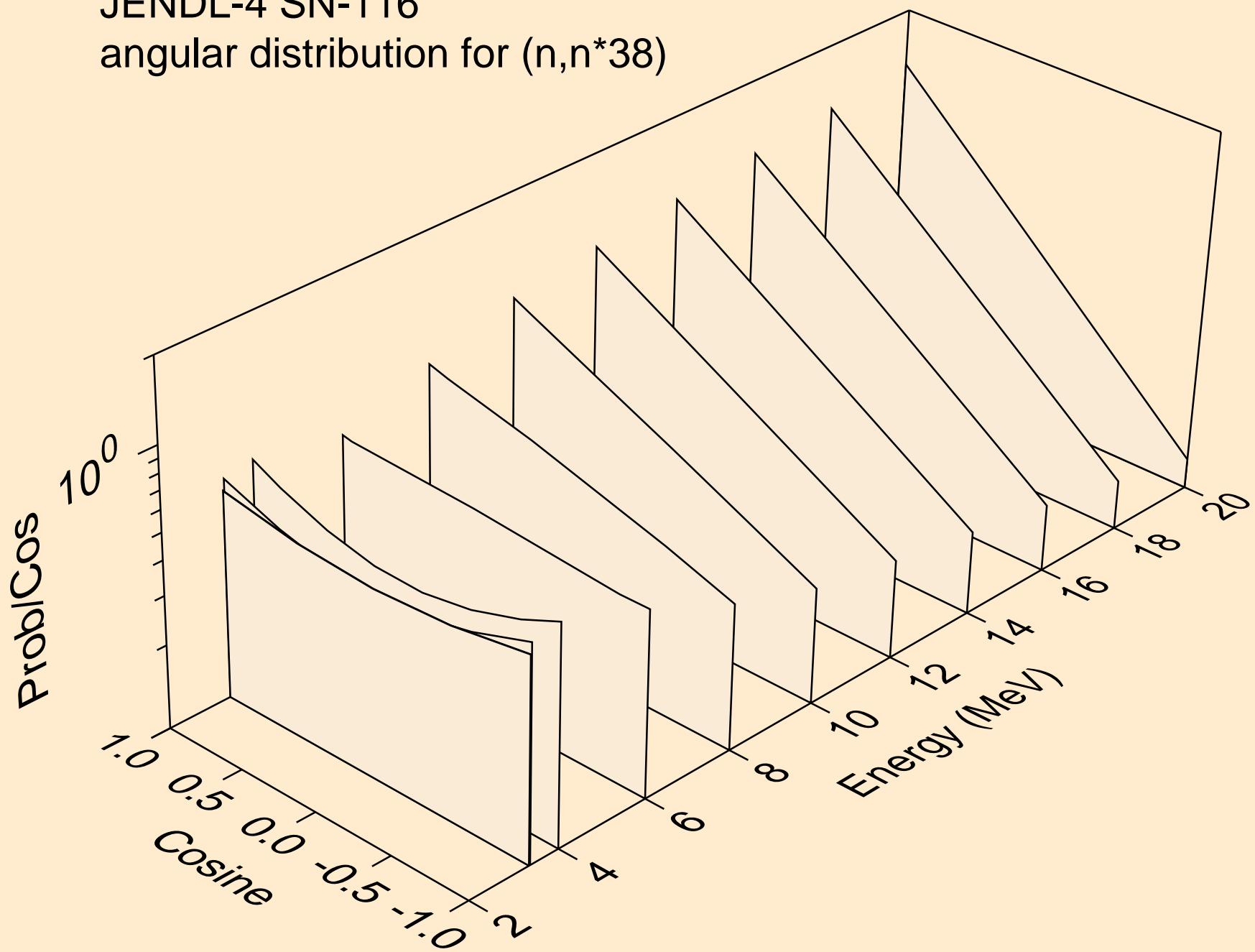
JENDL-4 SN-116  
angular distribution for (n,n\*36)



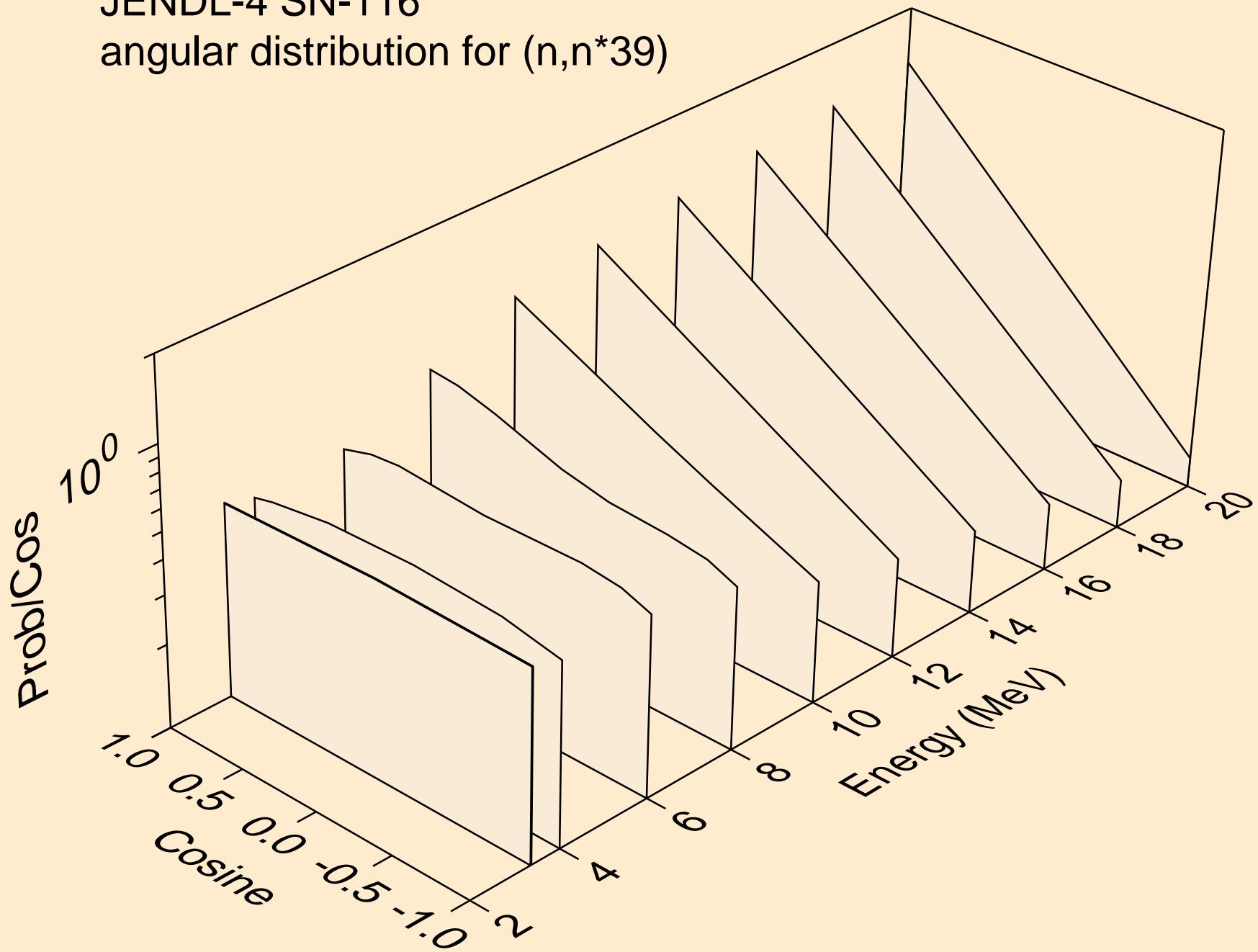
JENDL-4 SN-116  
angular distribution for ( $n, n^* 37$ )



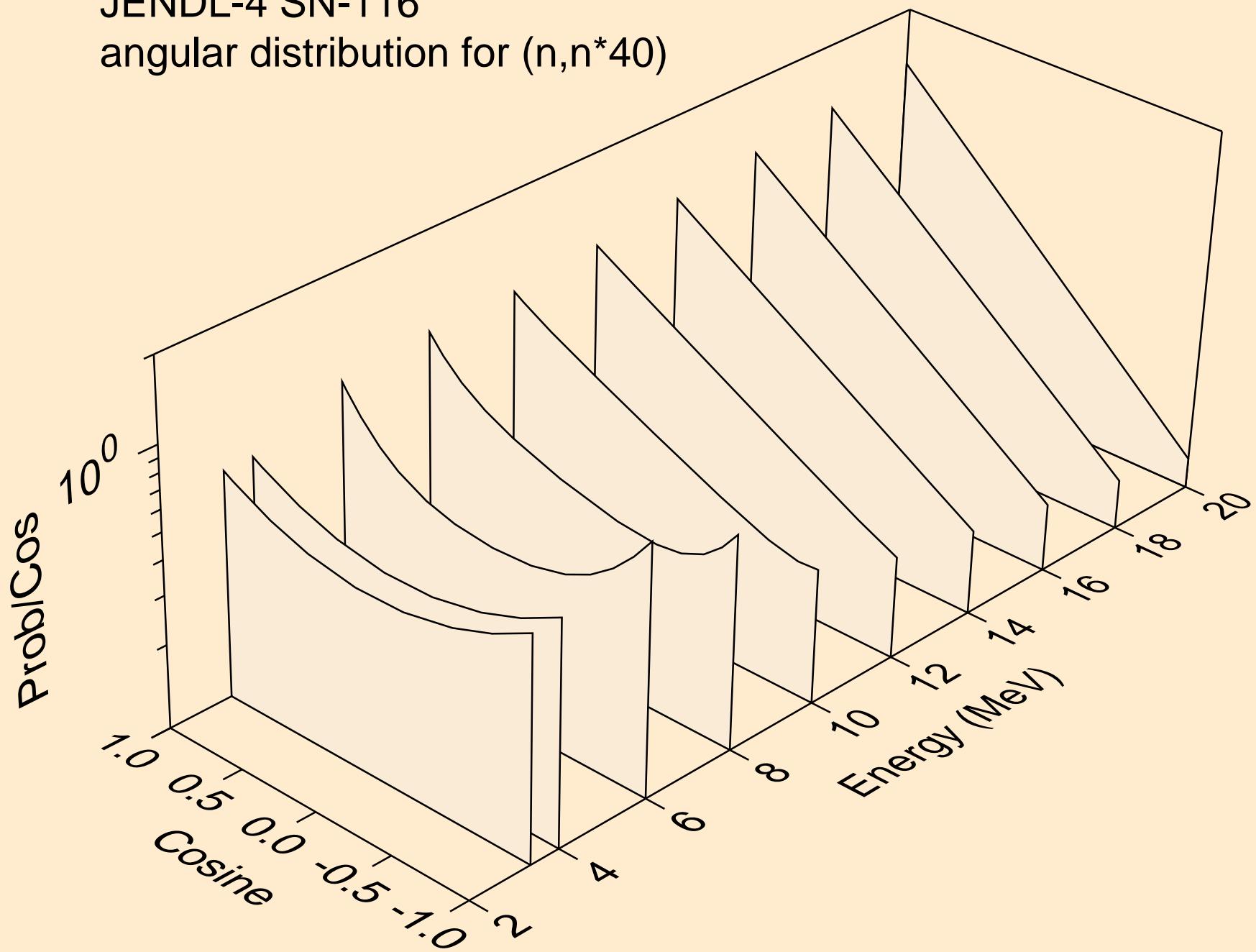
JENDL-4 SN-116  
angular distribution for (n,n\*38)



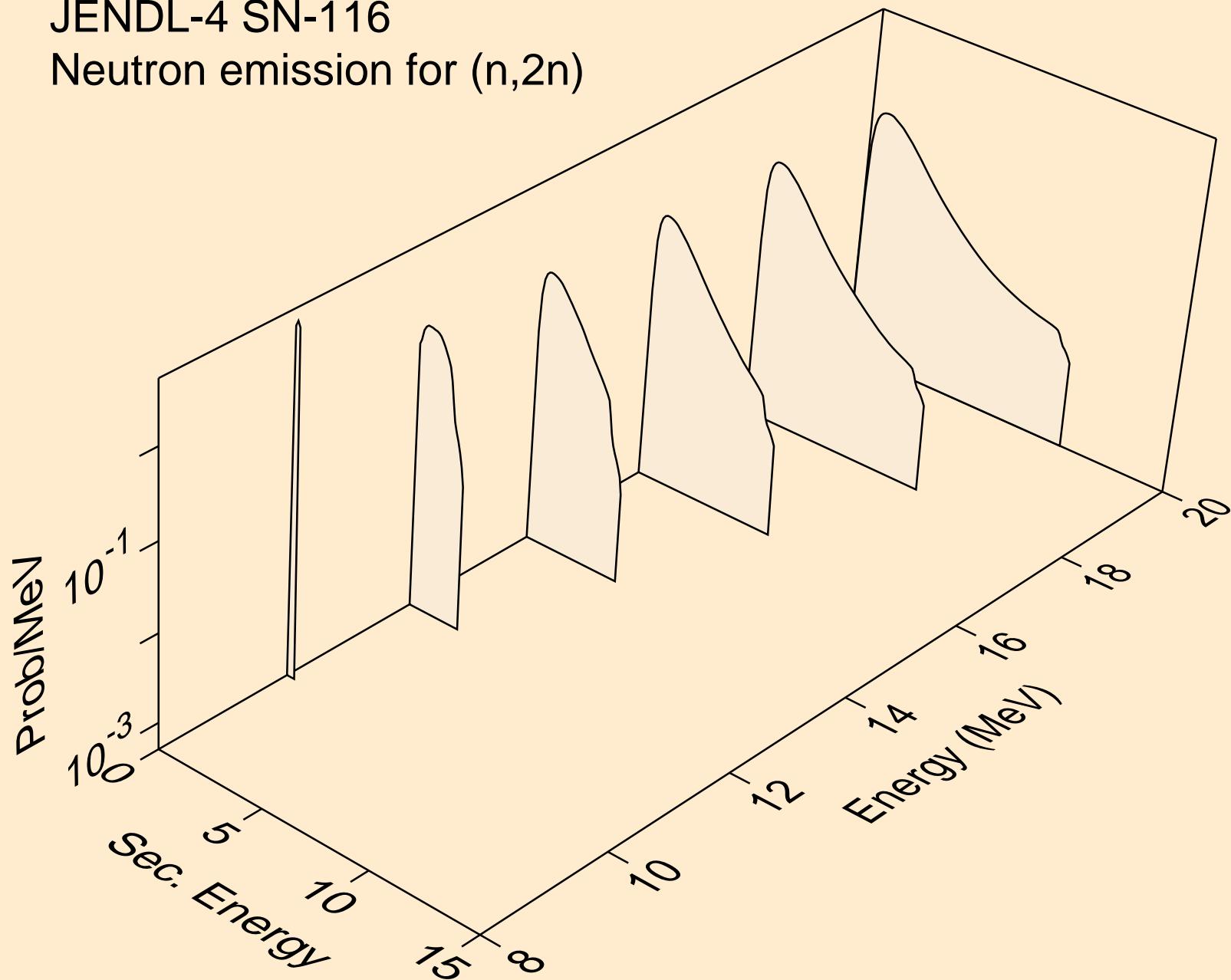
JENDL-4 SN-116  
angular distribution for (n,n\*39)



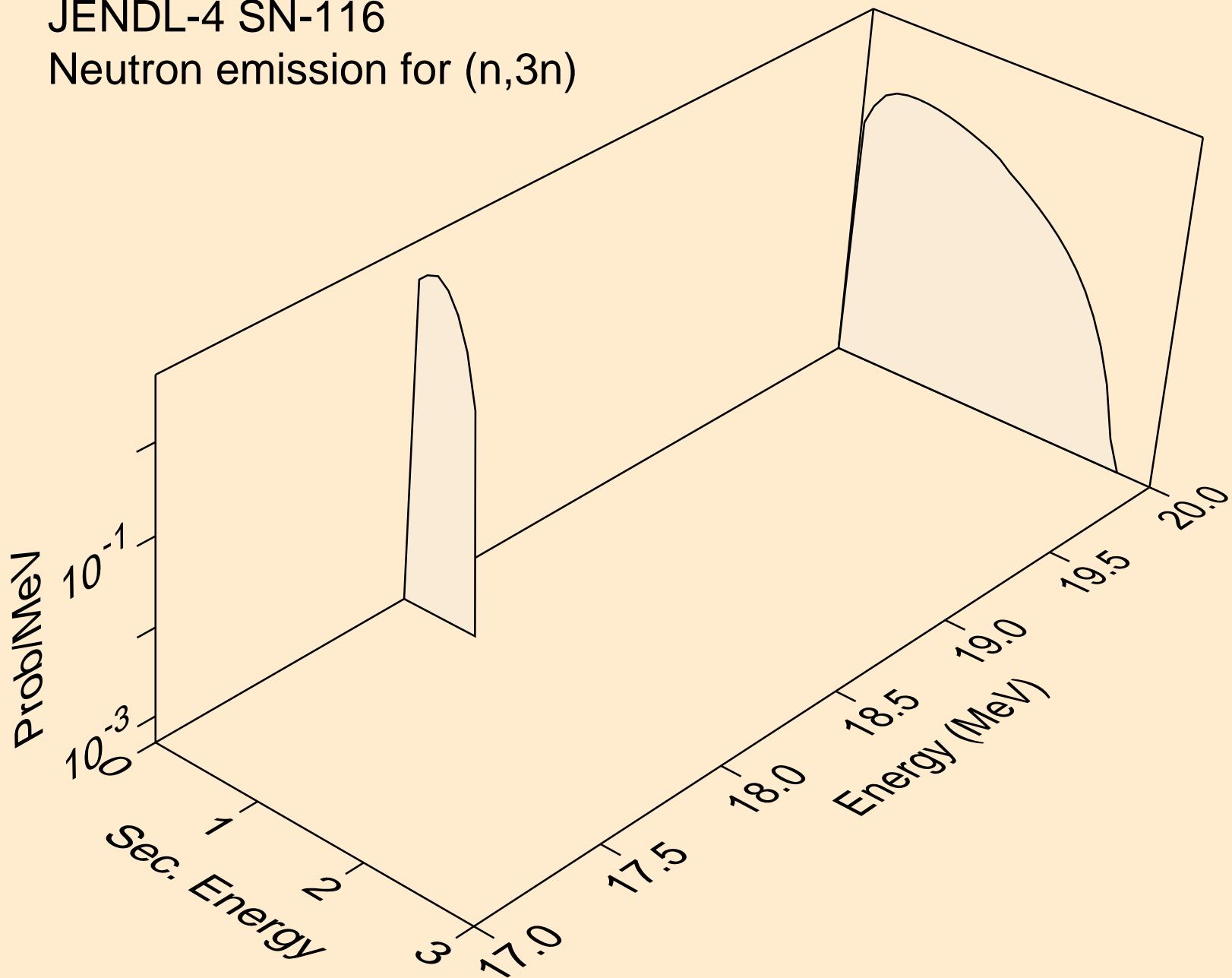
JENDL-4 SN-116  
angular distribution for ( $n,n^*$ )40



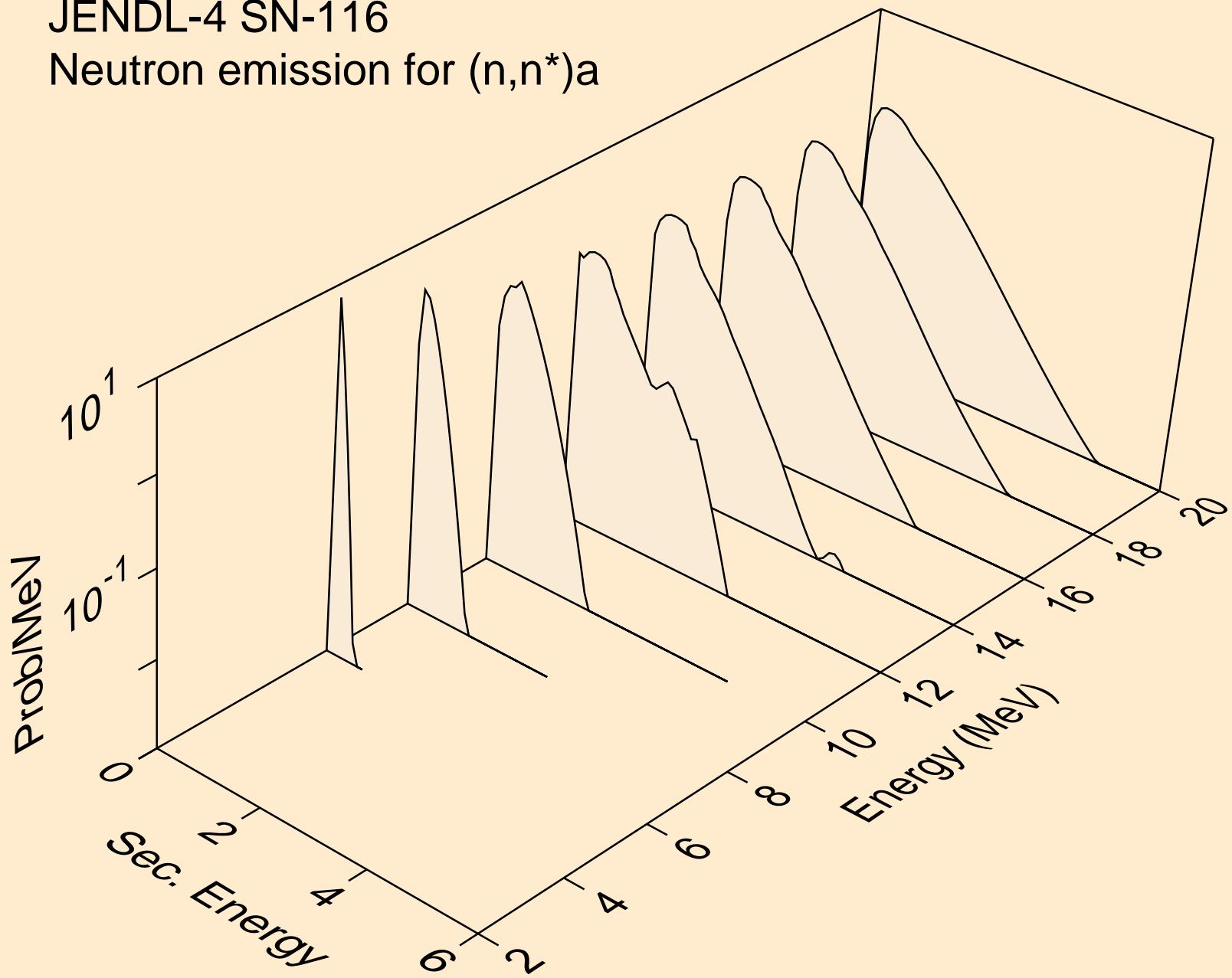
JENDL-4 SN-116  
Neutron emission for  $(n,2n)$



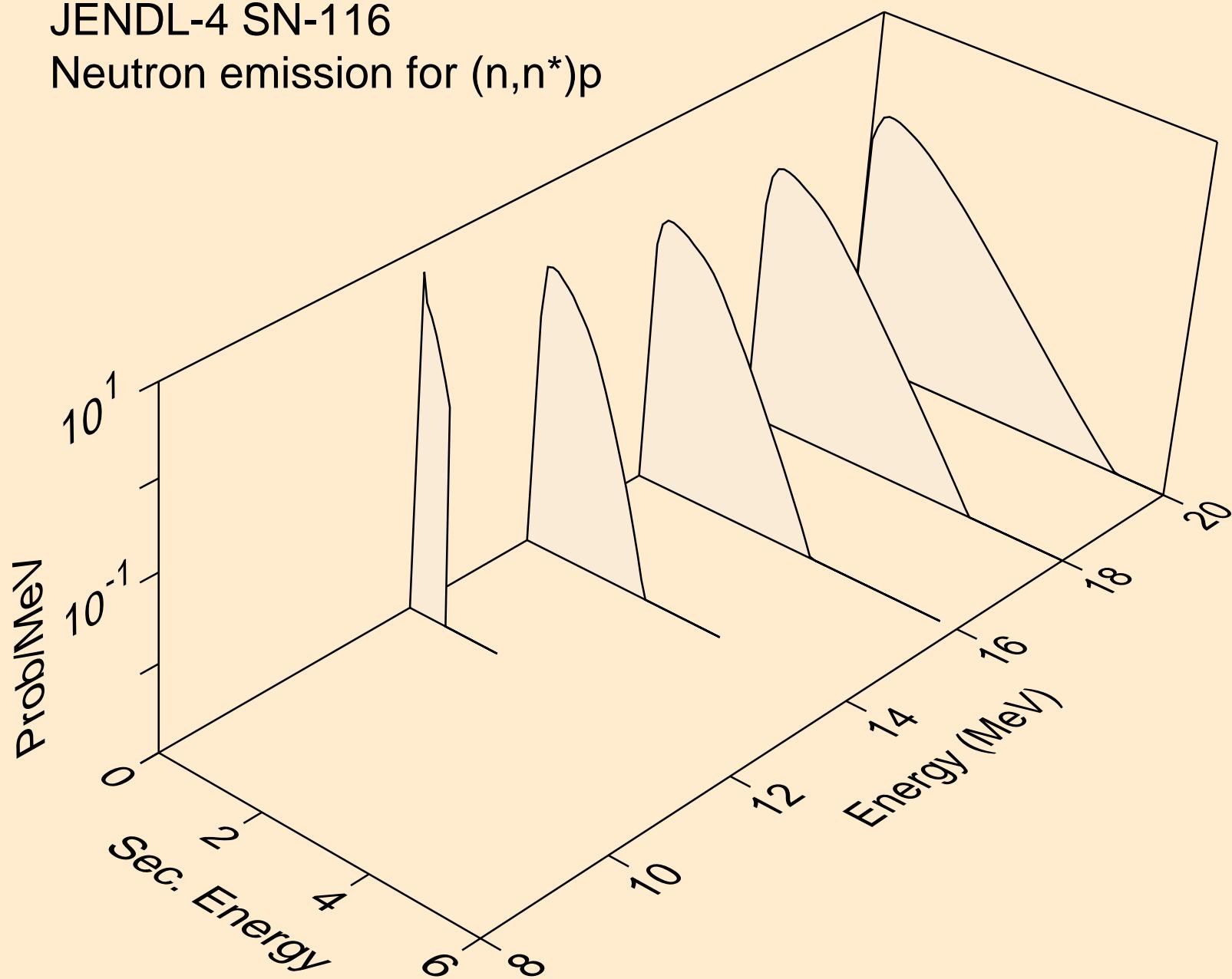
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Neutron emission for (n,3n)



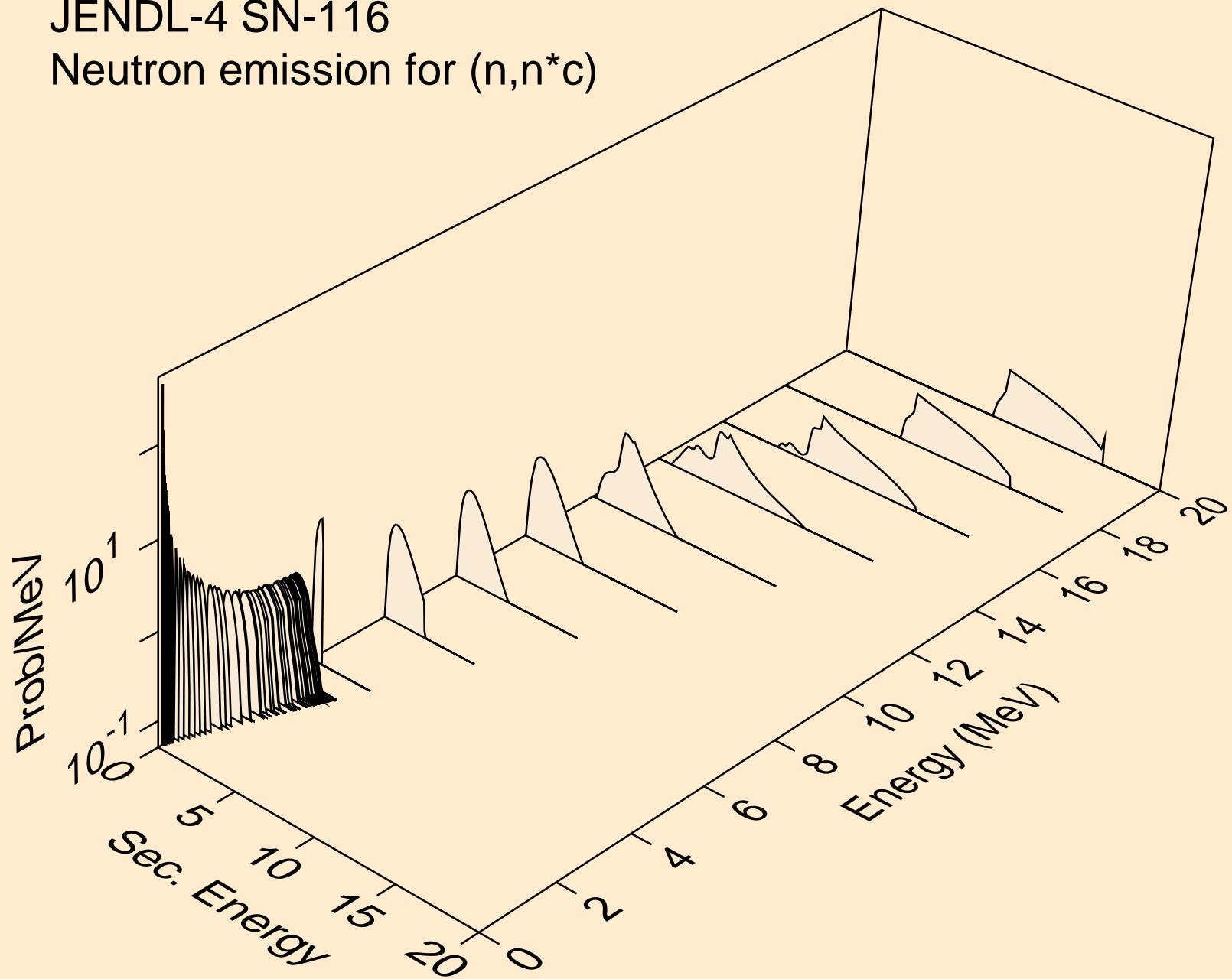
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Neutron emission for  $(n,n^*)a$



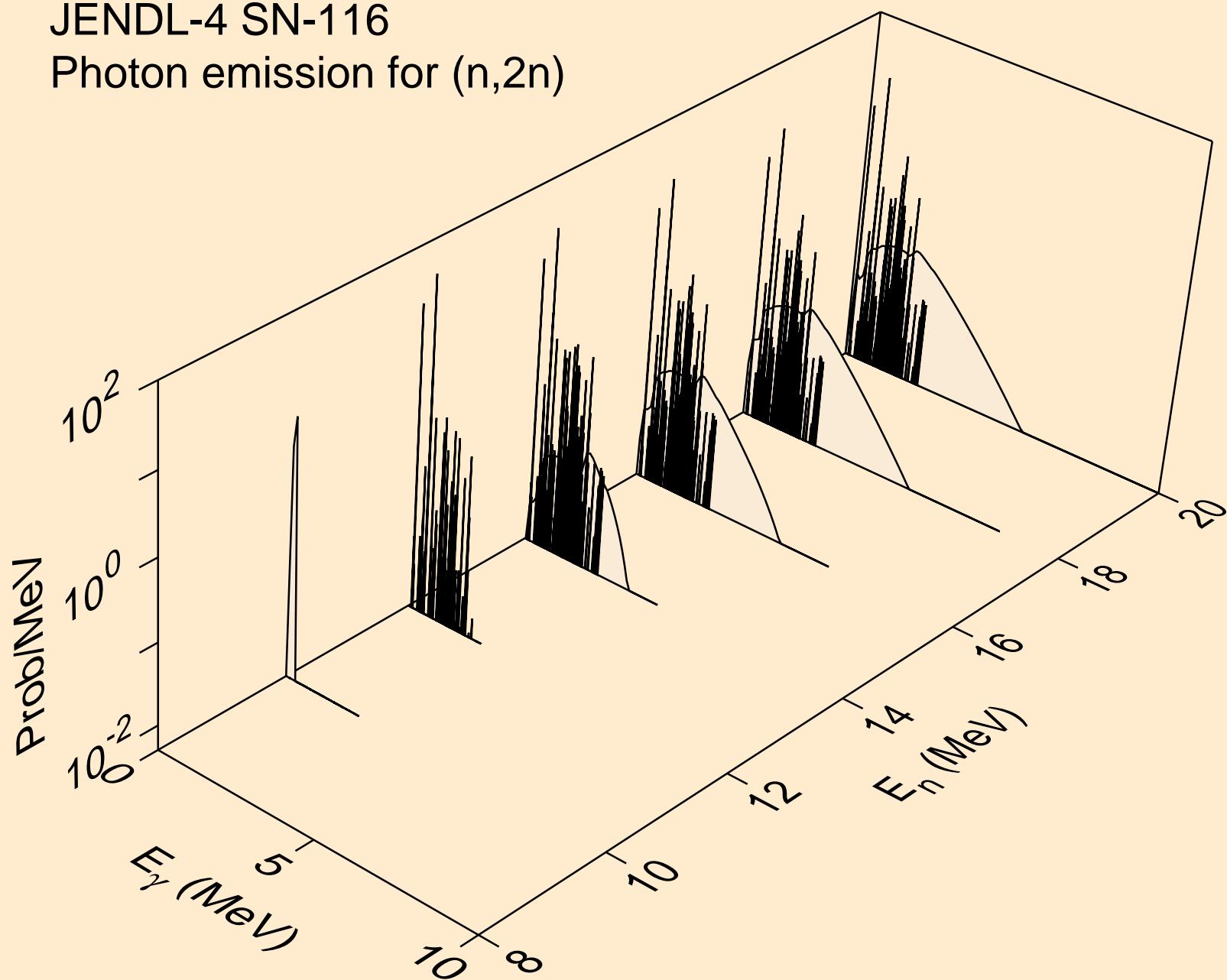
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Neutron emission for  $(n,n^*)p$



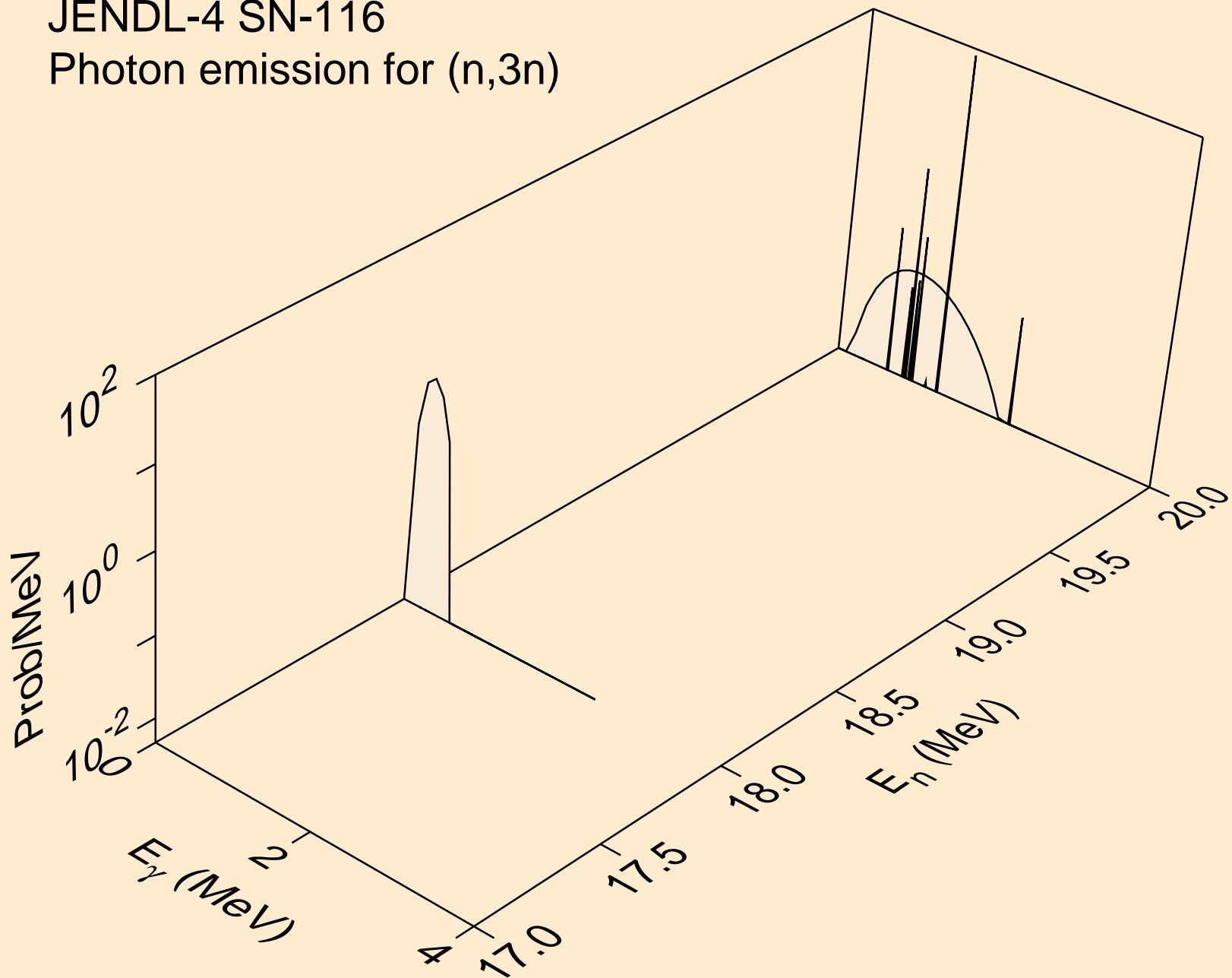
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Neutron emission for  $(n,n^*c)$



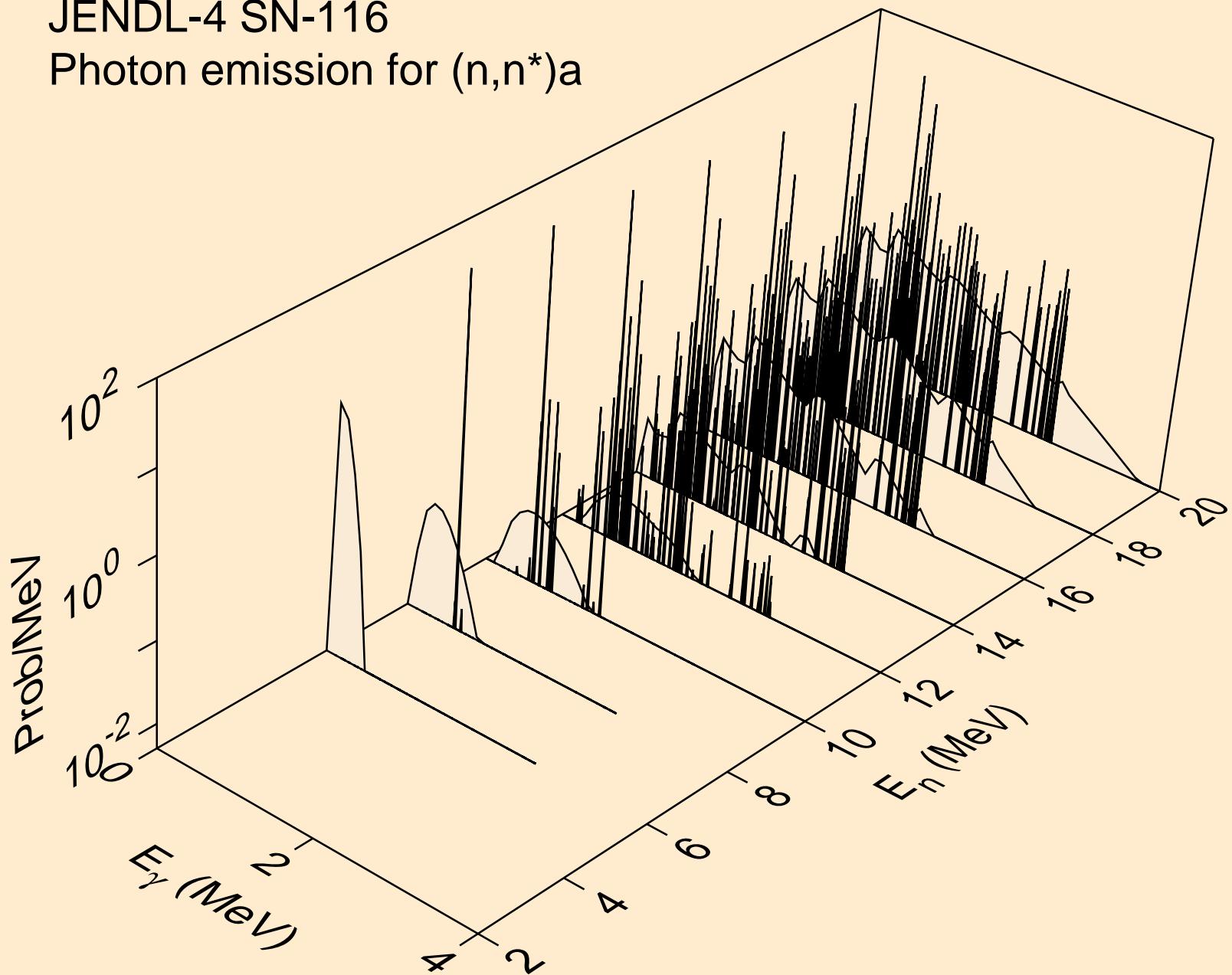
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Photon emission for (n,2n)



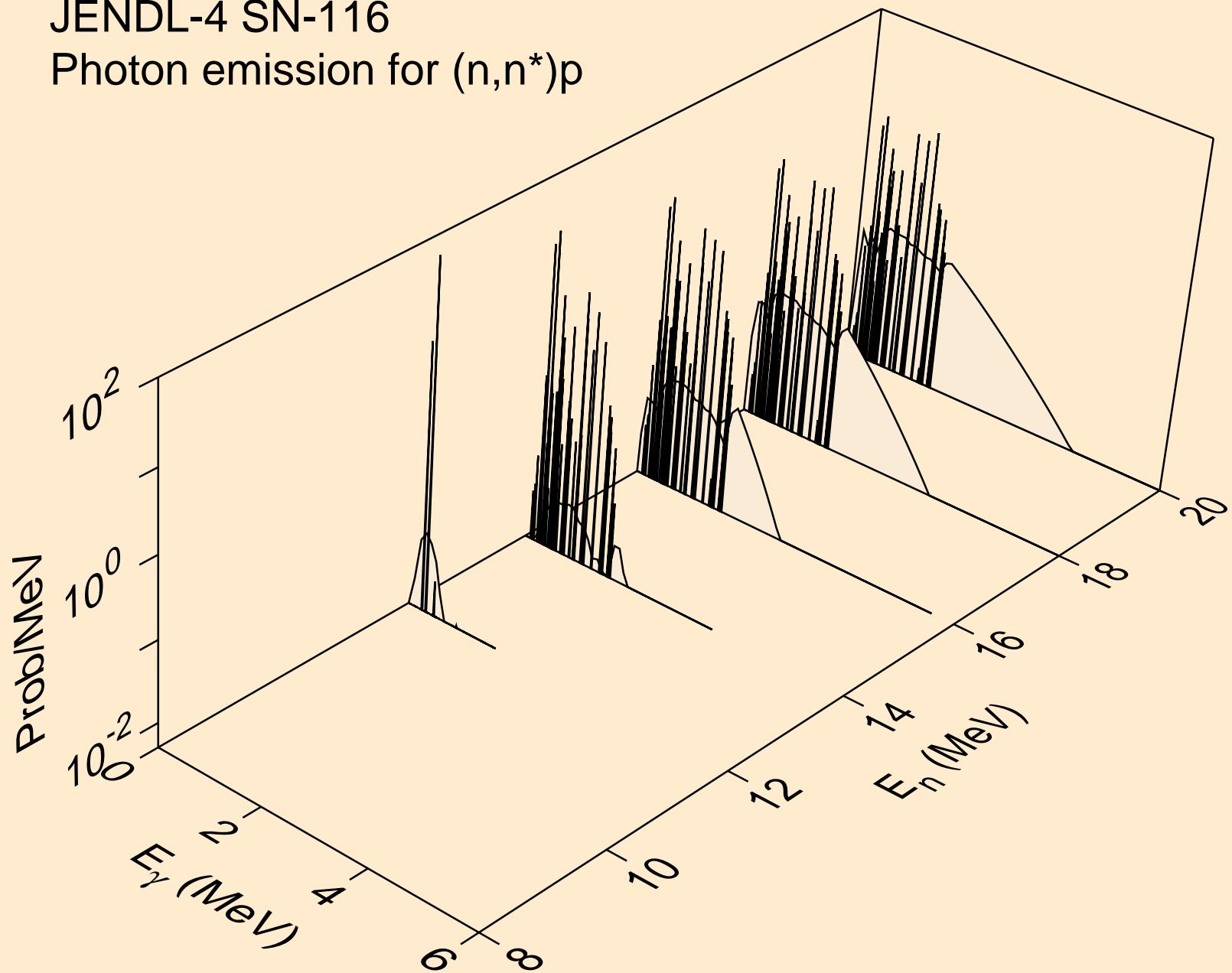
JENDL-4 SN-116  
Photon emission for (n,3n)



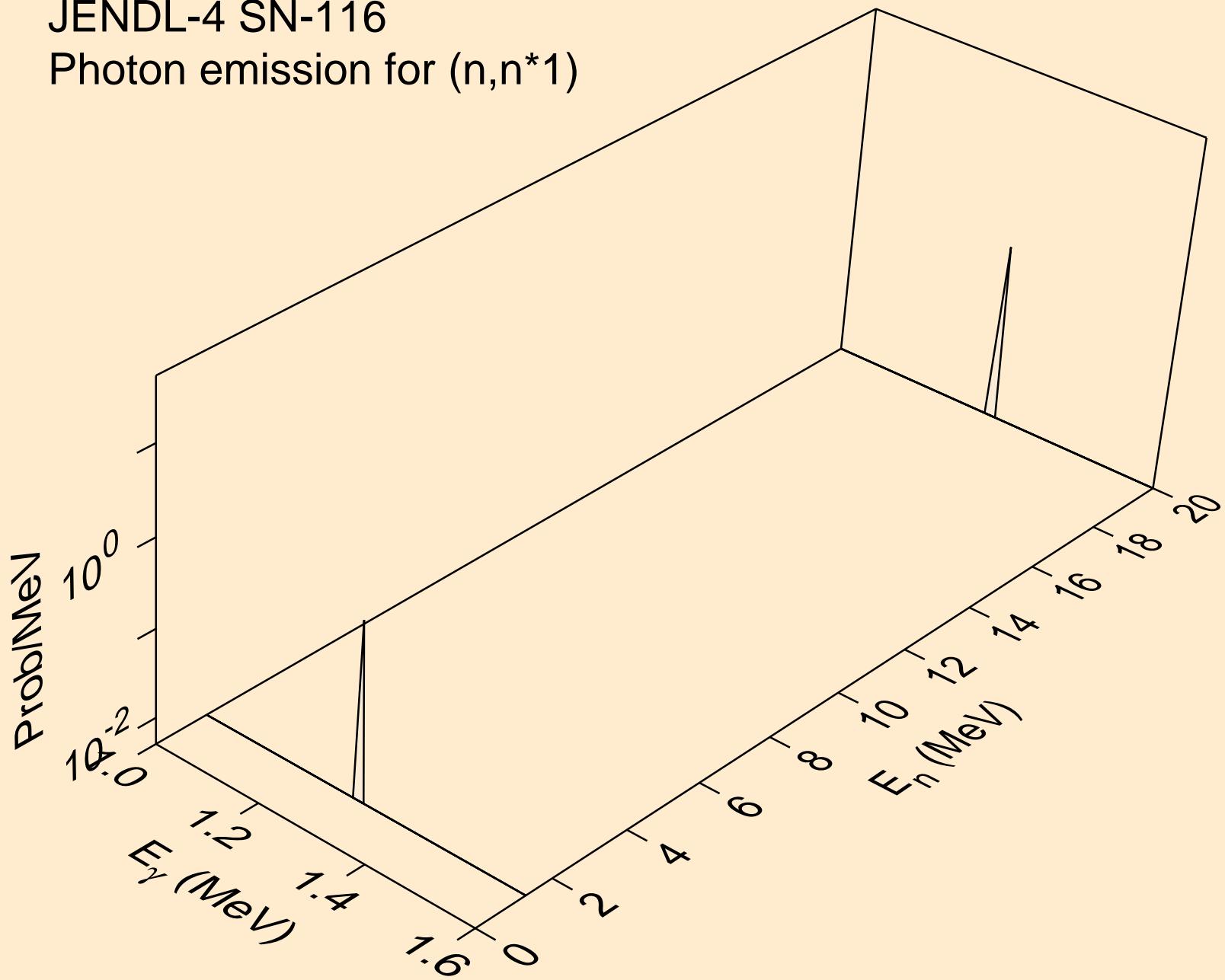
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Photon emission for  $(n,n^*)a$



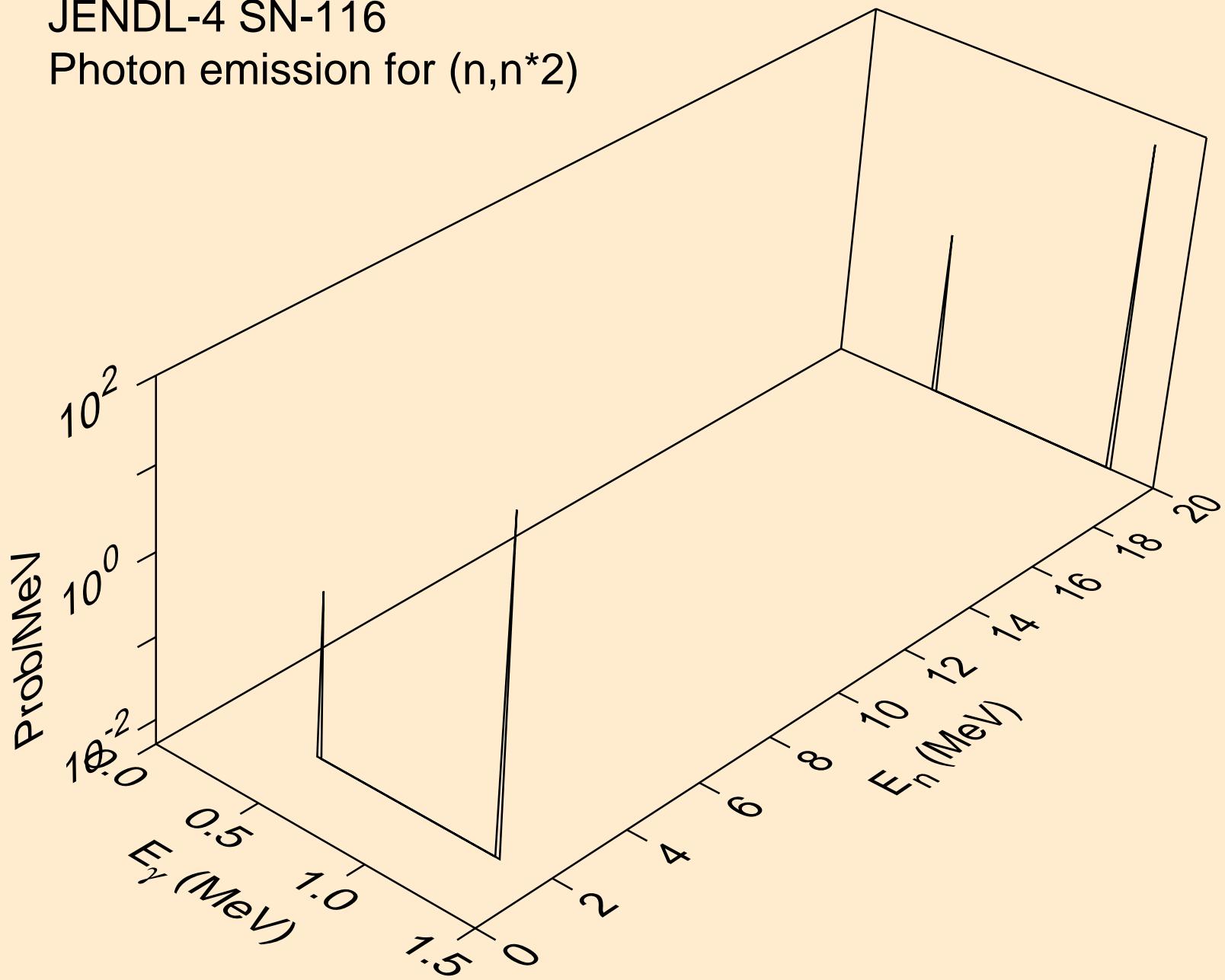
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Photon emission for  $(n,n^*)p$



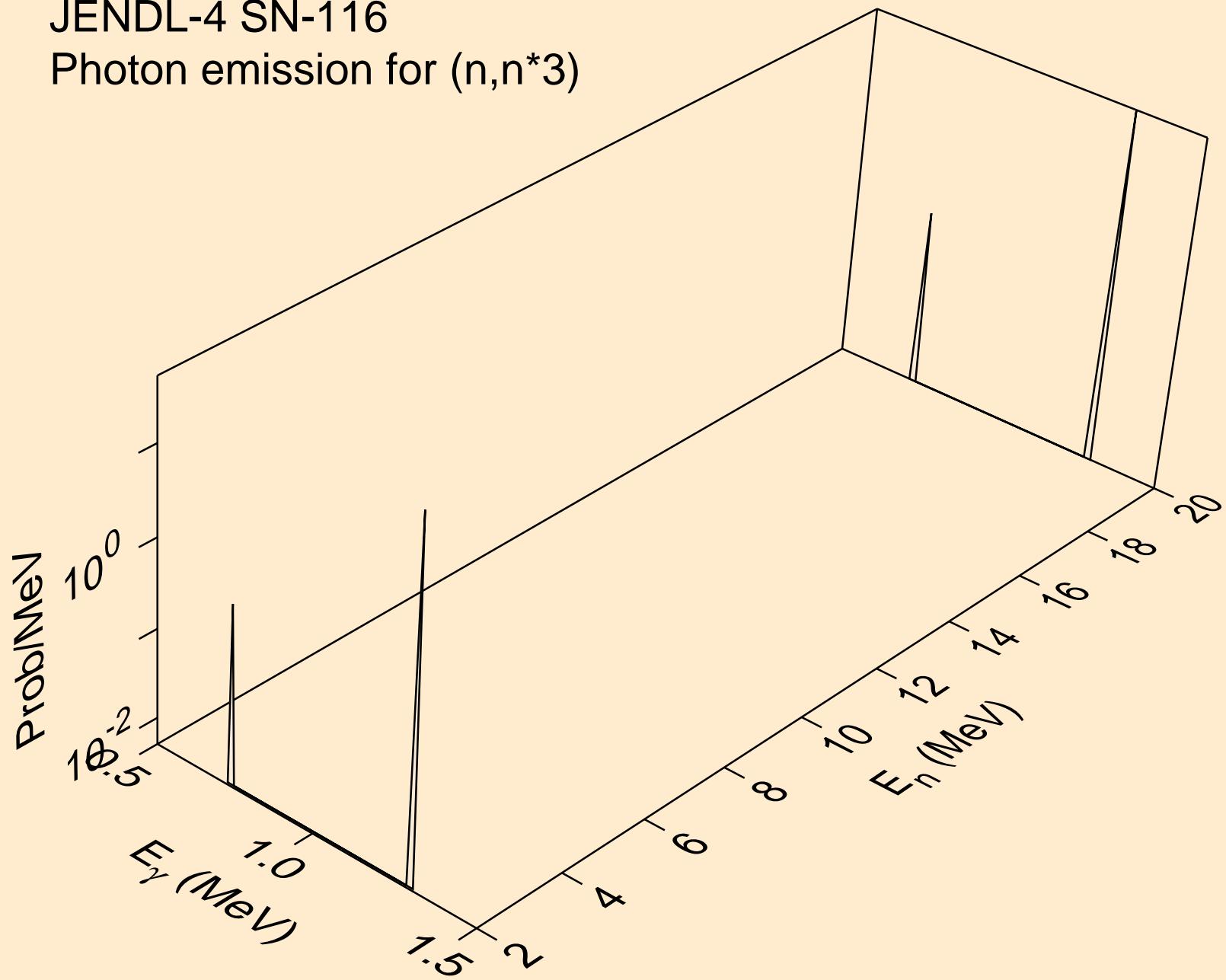
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Photon emission for (n,n\*1)



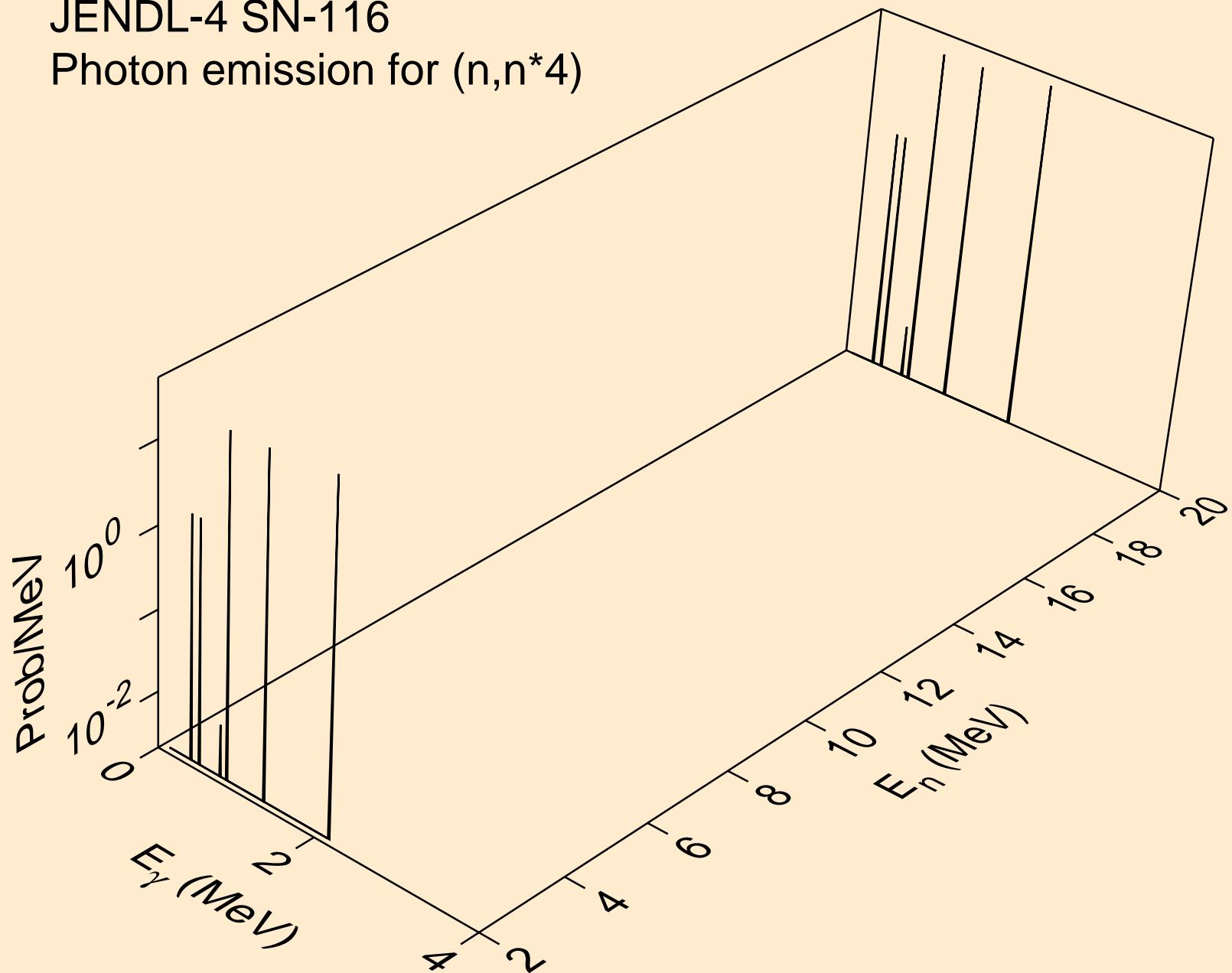
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Photon emission for (n,n\*2)



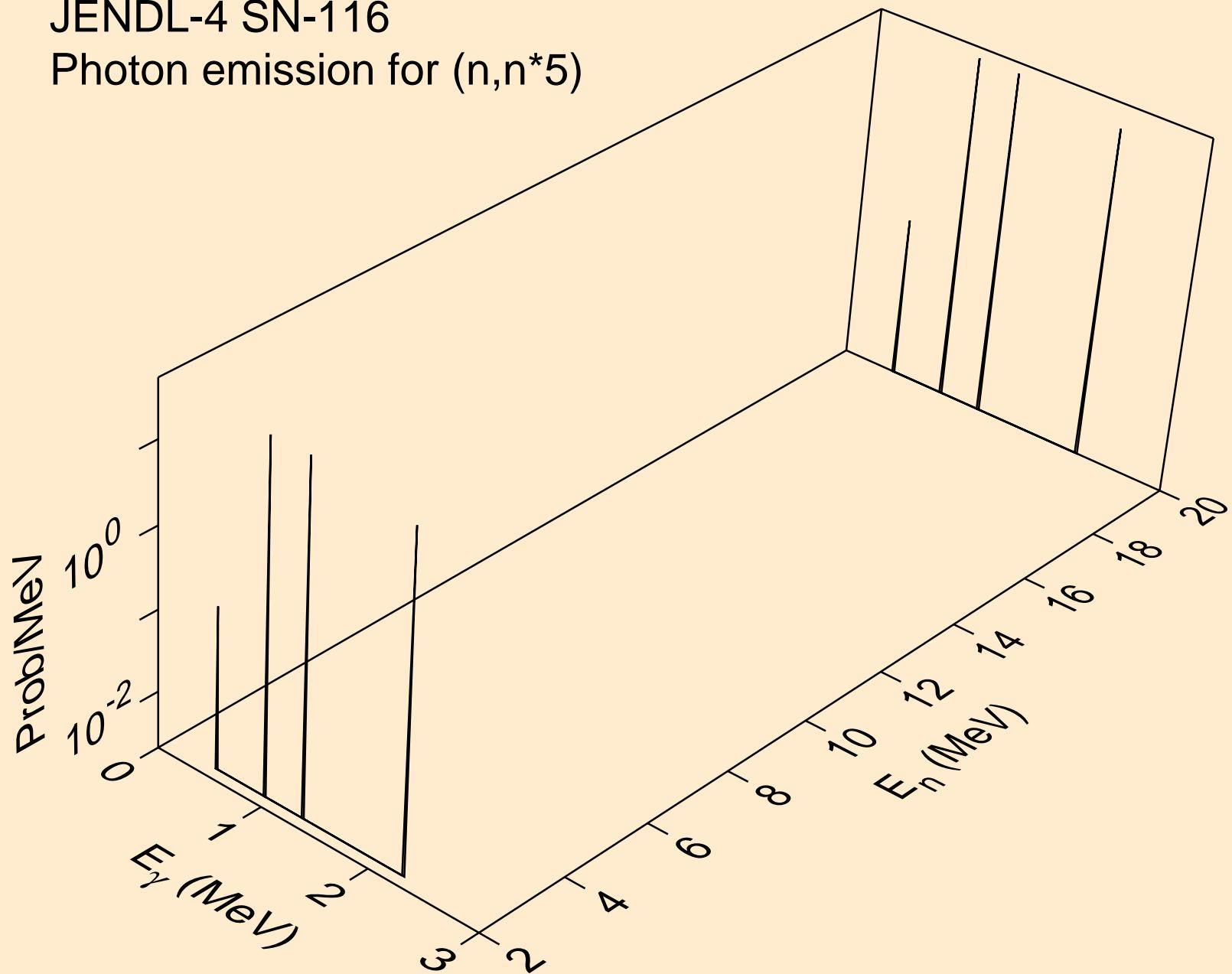
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Photon emission for (n,n\*3)



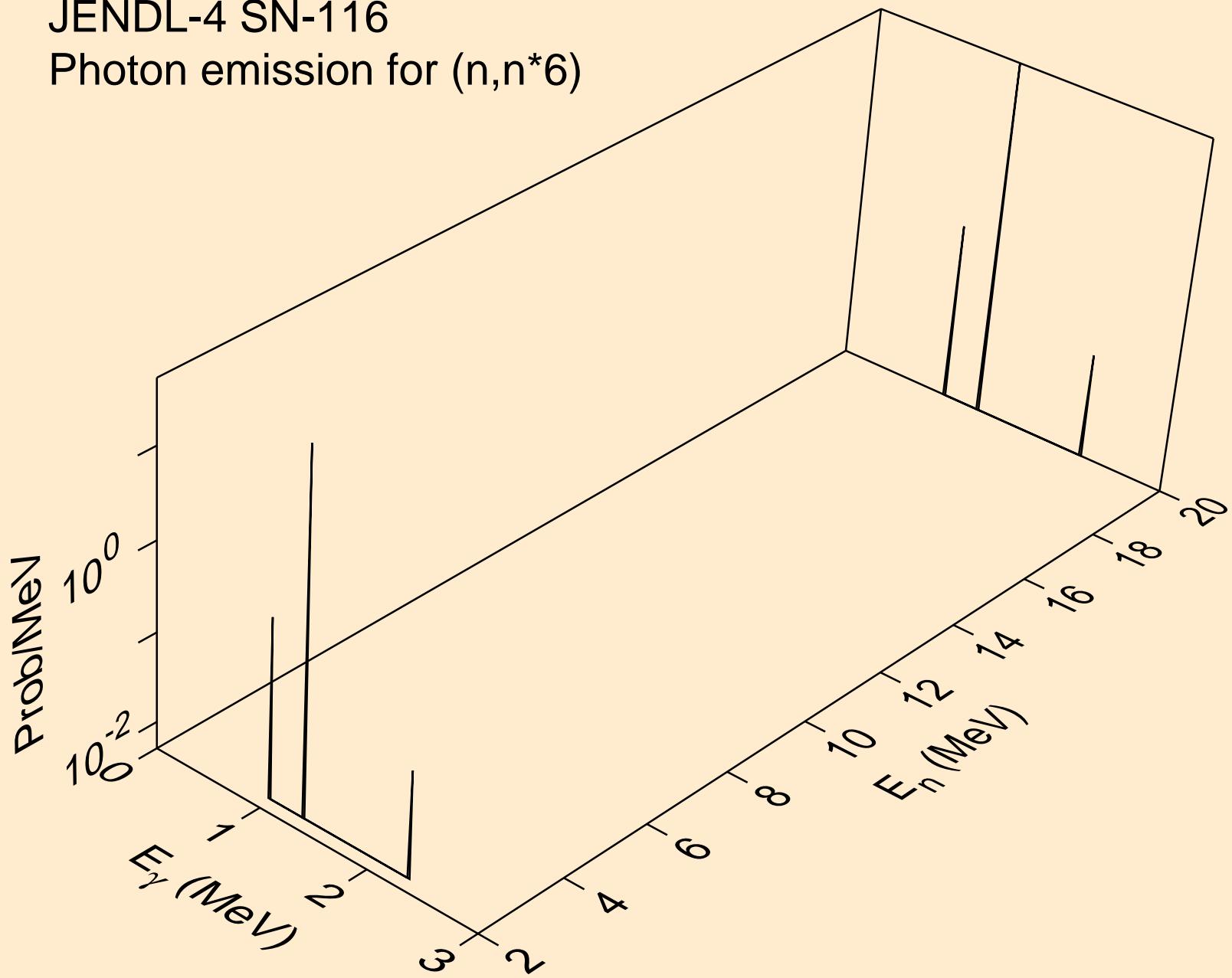
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Photon emission for (n,n\*4)



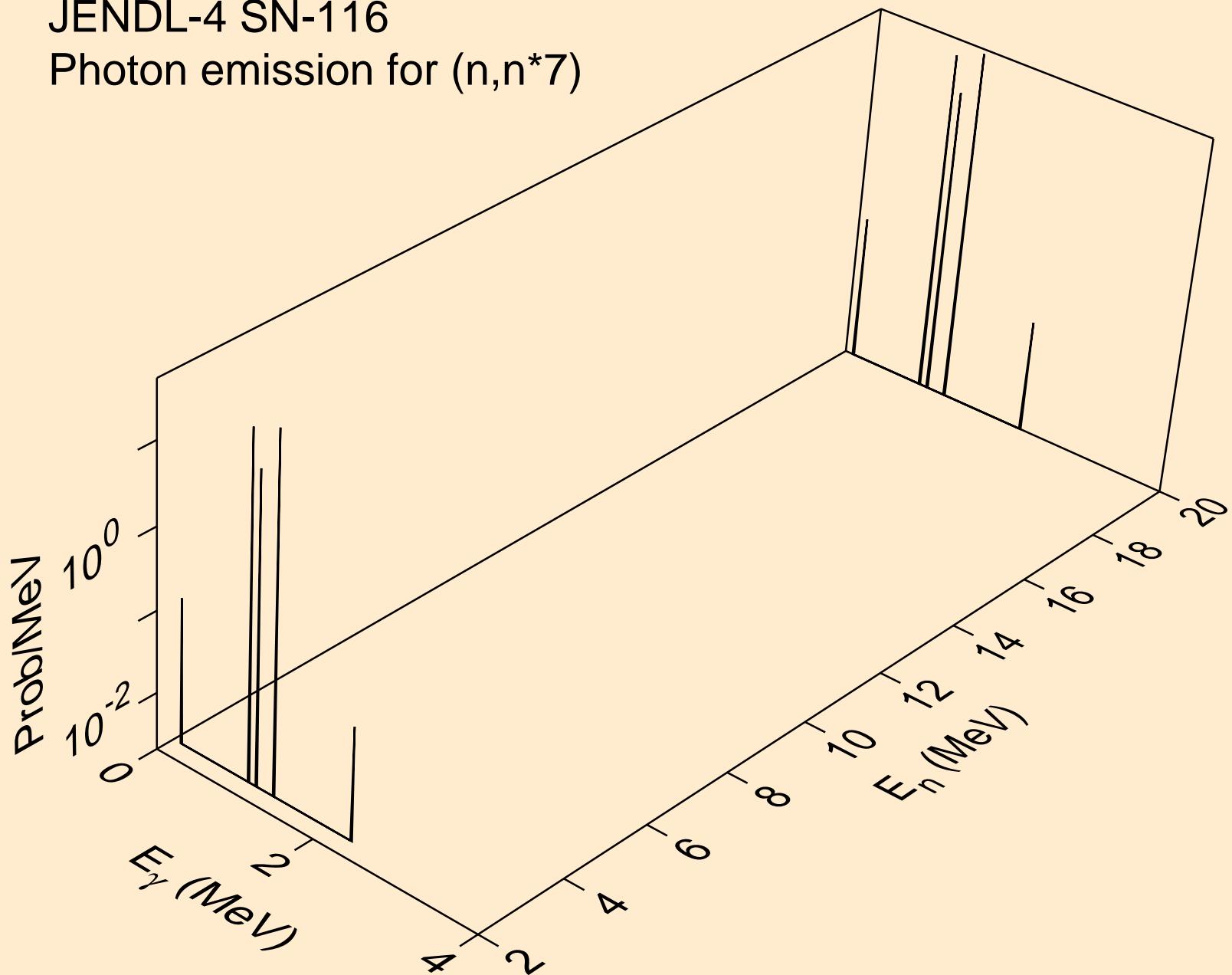
JENDL-4 SN-116  
Photon emission for (n,n\*5)



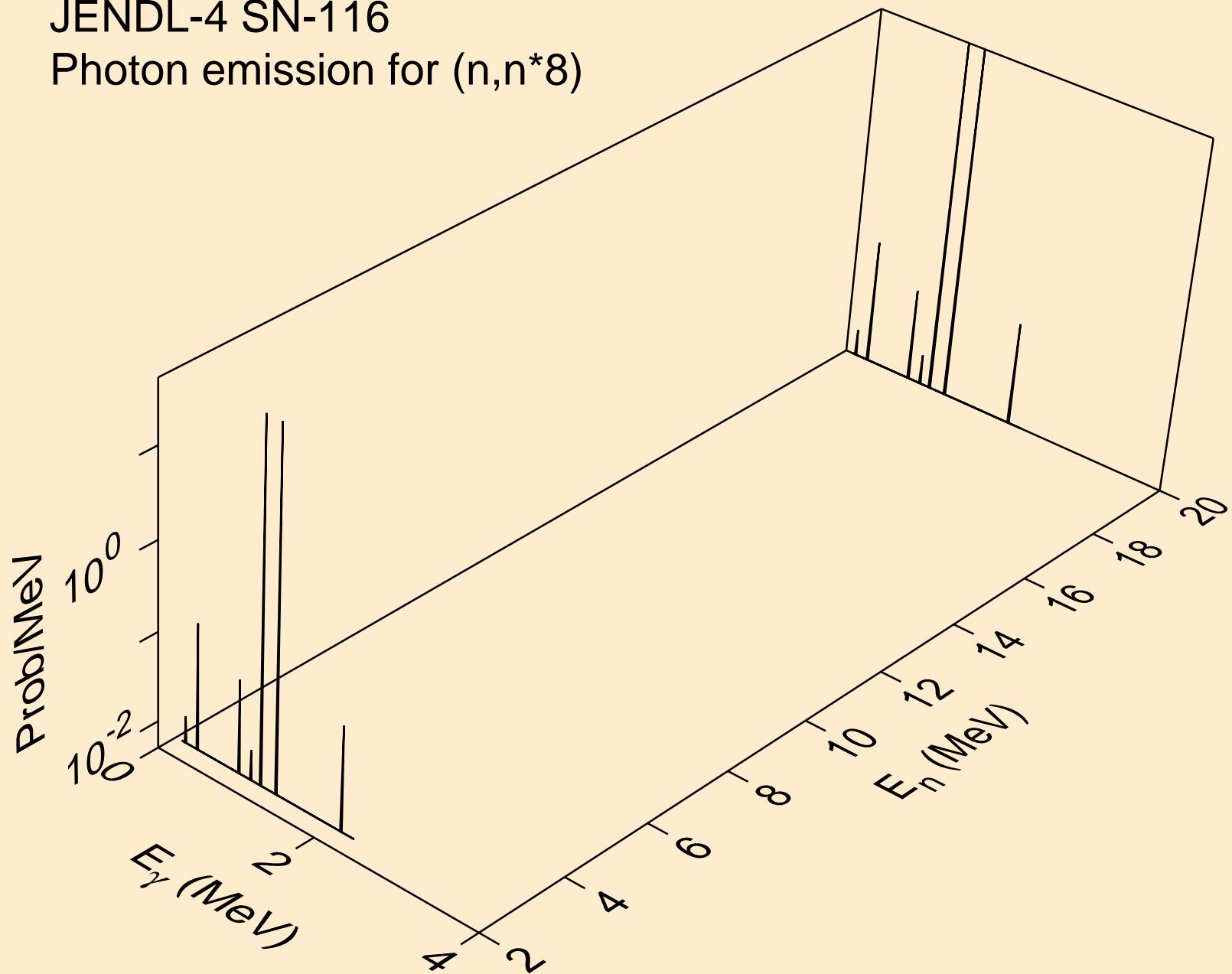
JENDL-4 SN-116  
Photon emission for (n,n\*6)



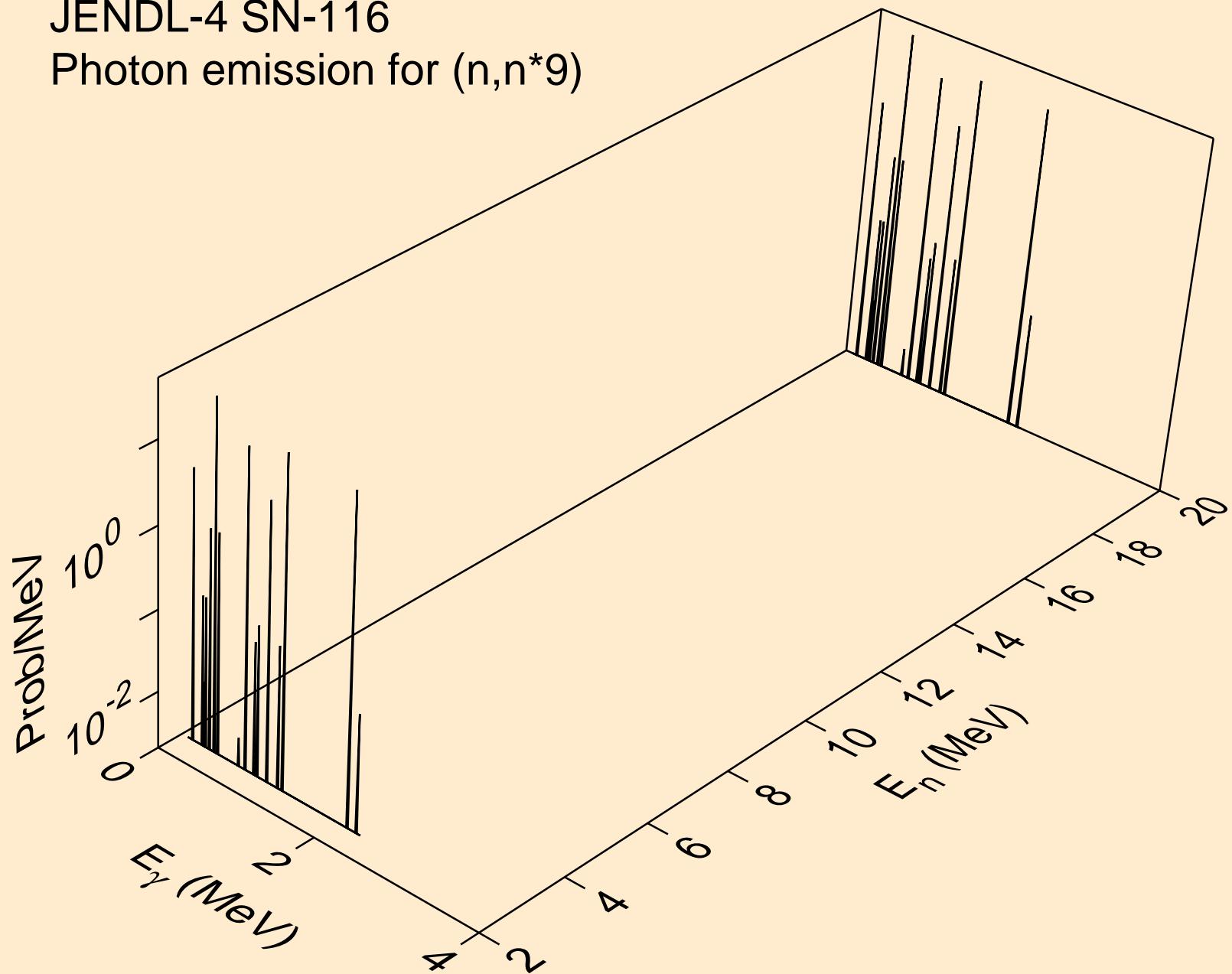
JENDL-4 SN-116  
Photon emission for (n,n\*7)



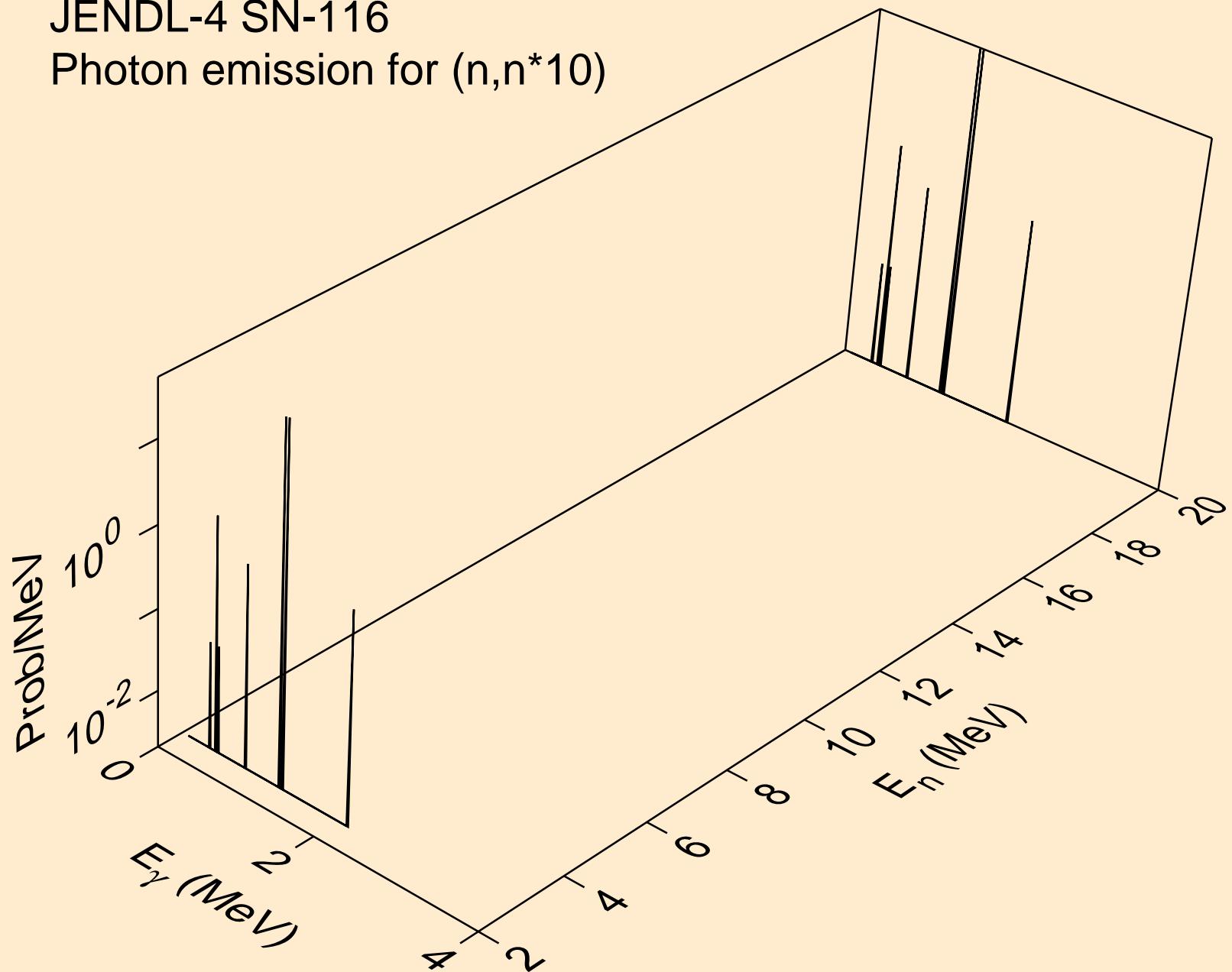
JENDL-4 SN-116  
Photon emission for (n,n\*8)



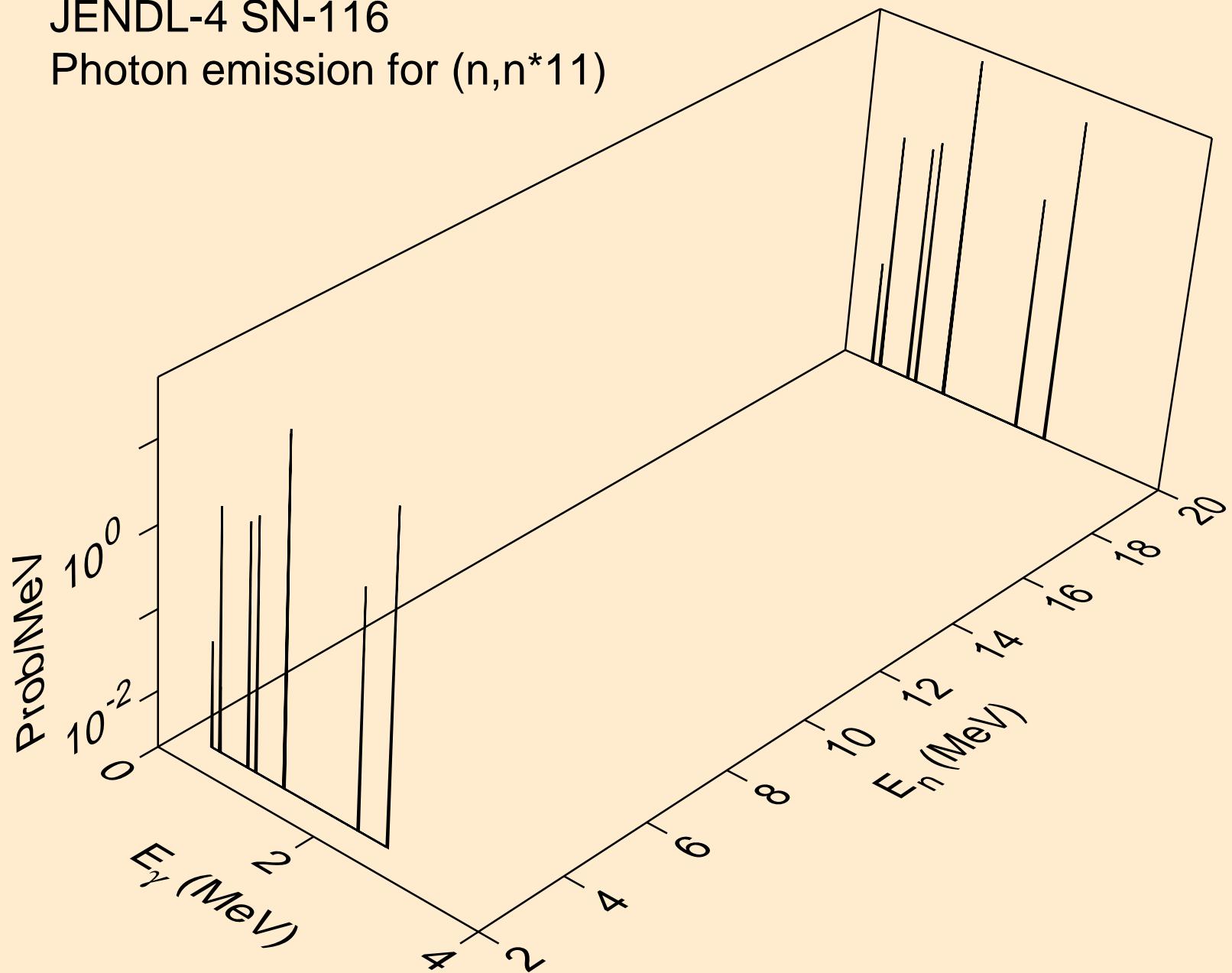
JENDL-4 SN-116  
Photon emission for (n,n\*9)



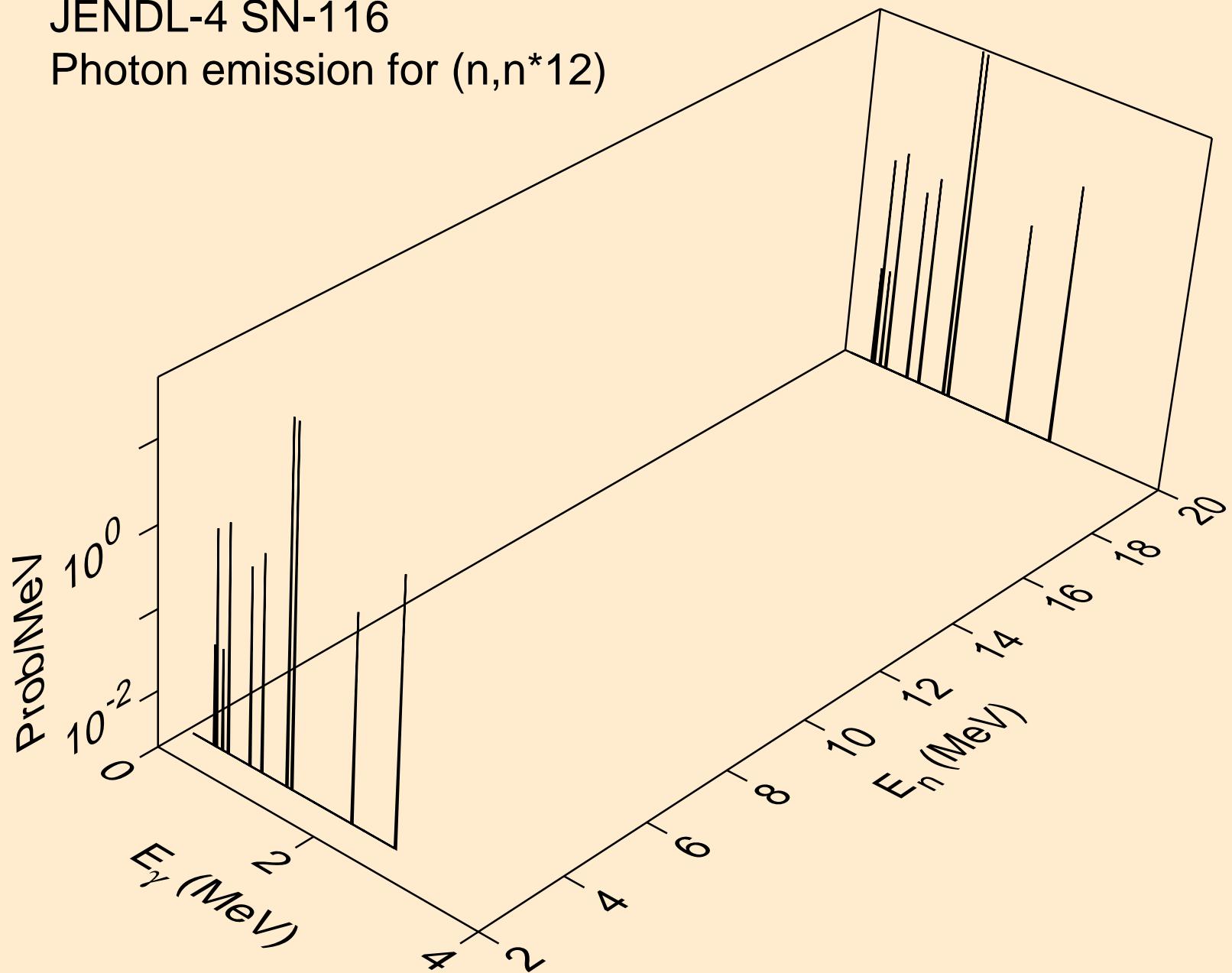
JENDL-4 SN-116  
Photon emission for (n,n\*10)



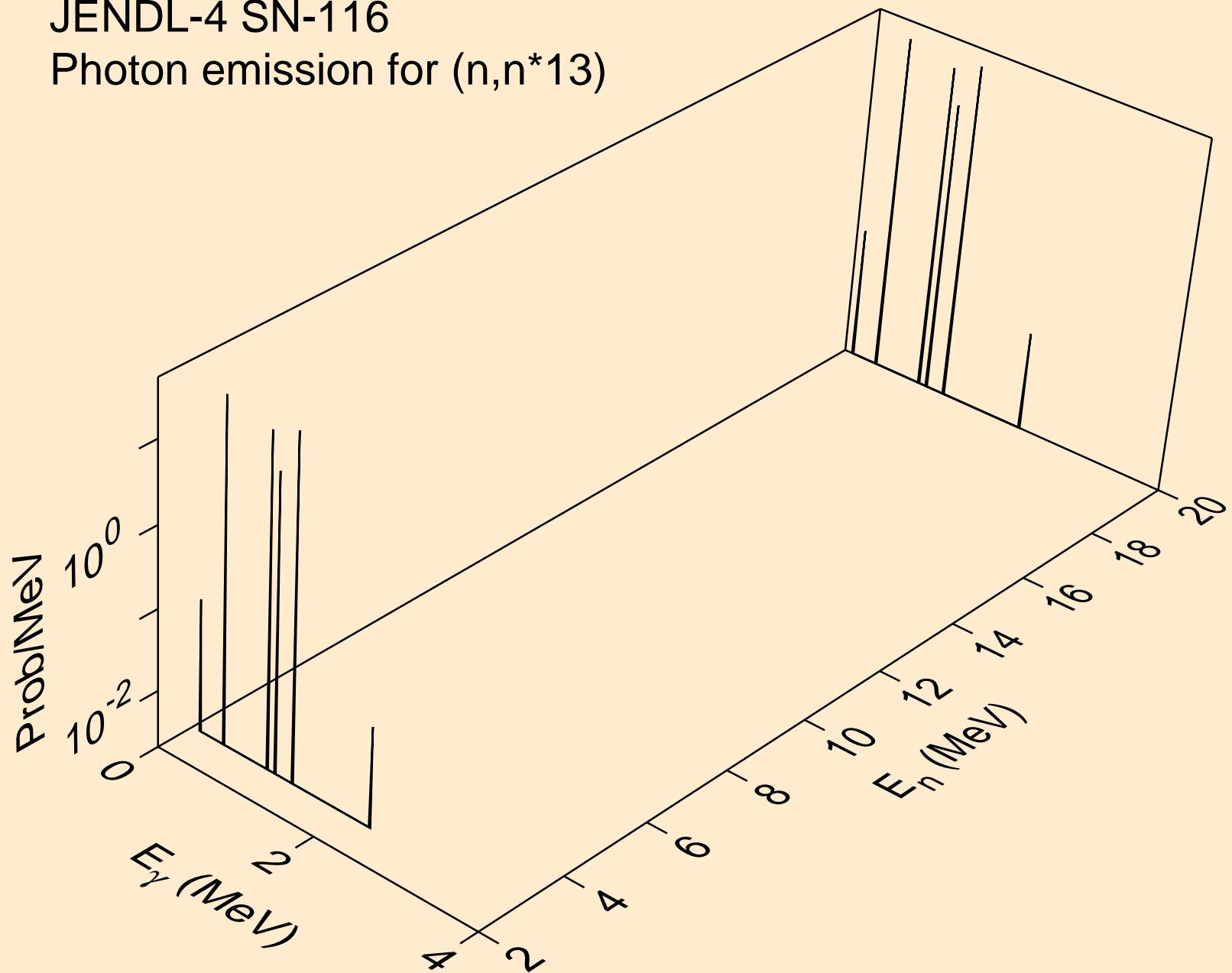
JENDL-4 SN-116  
Photon emission for (n,n\*11)



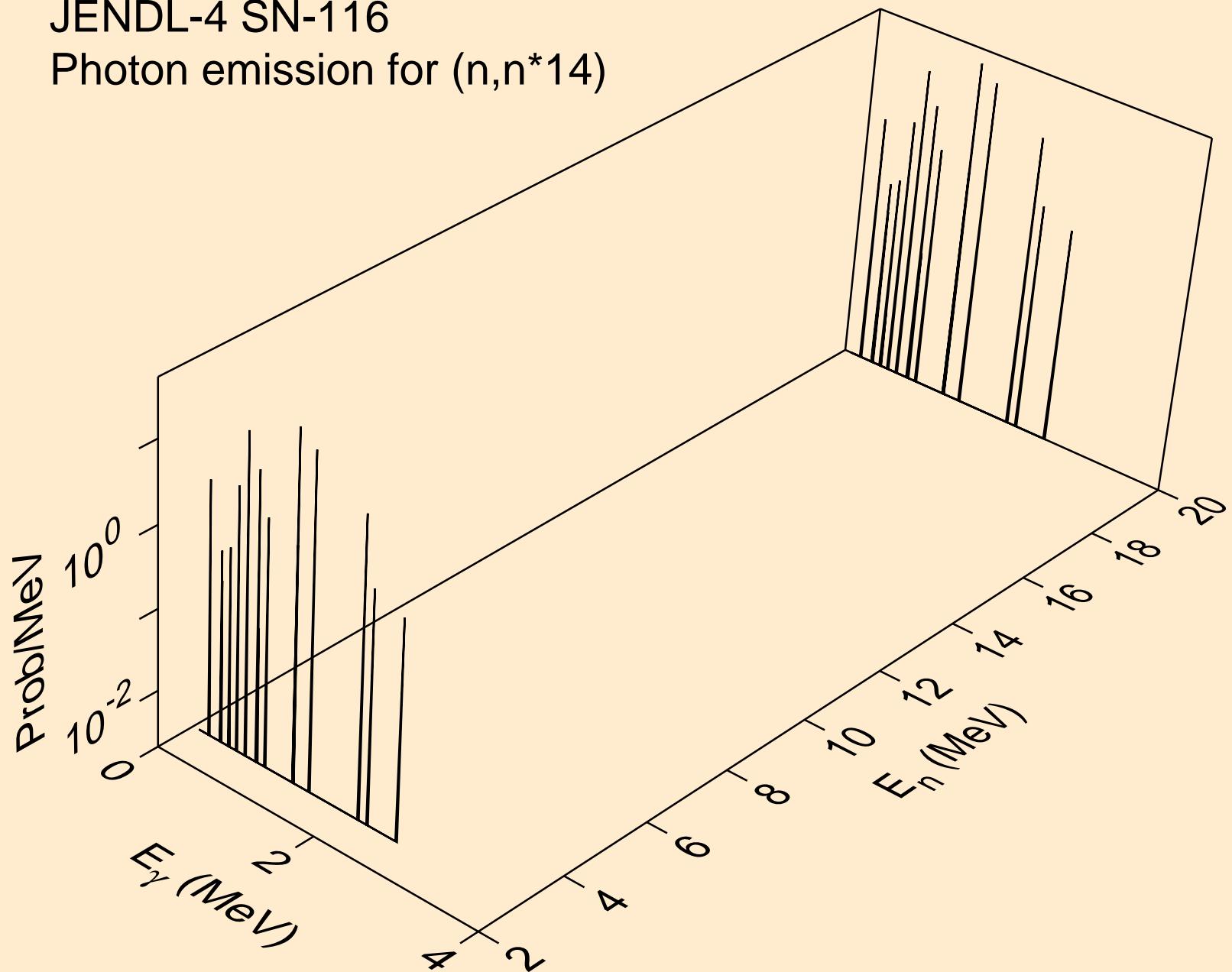
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Photon emission for (n,n\*12)



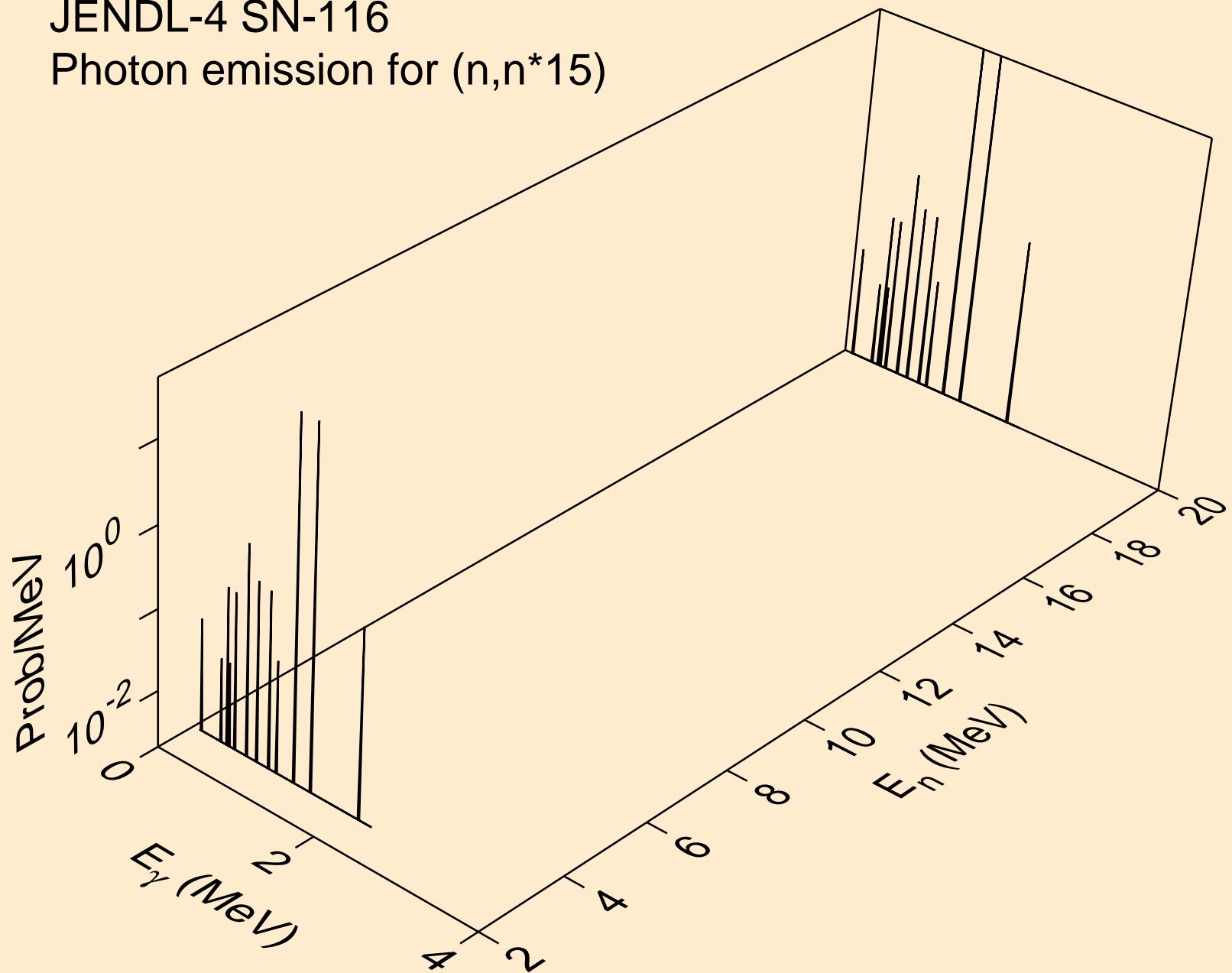
JENDL-4 SN-116  
Photon emission for (n,n\*13)



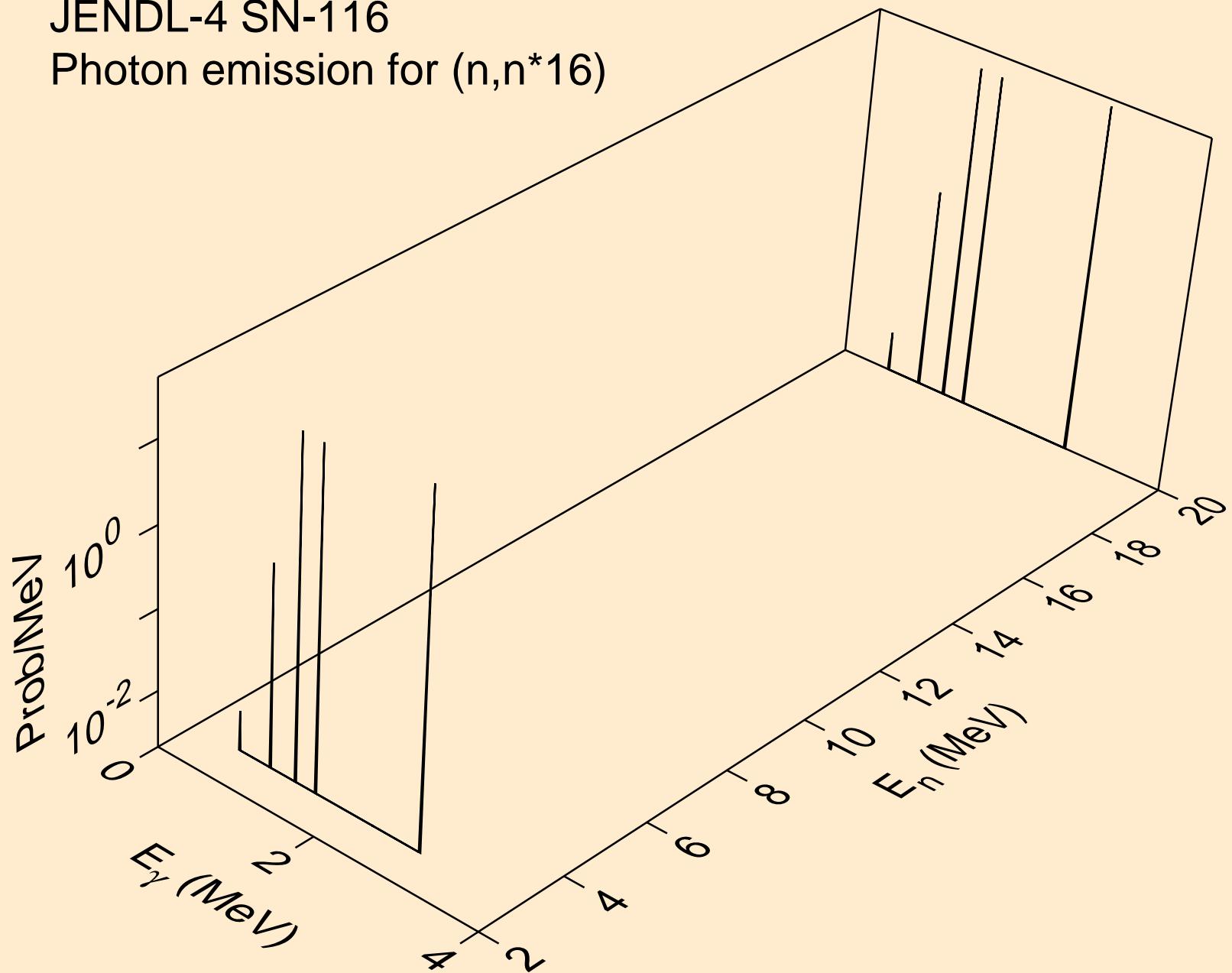
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Photon emission for ( $n, n^* 14$ )



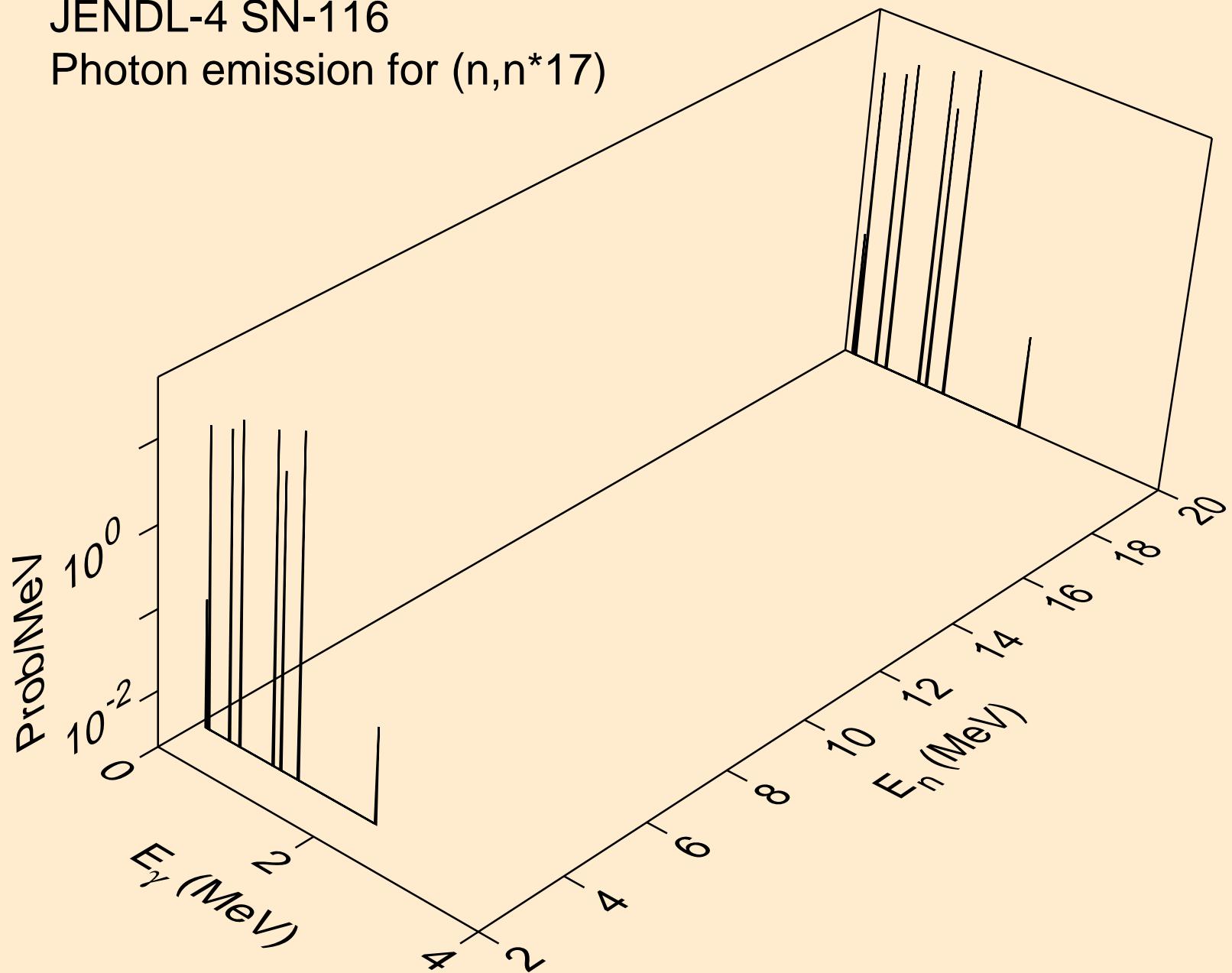
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Photon emission for (n,n\*15)



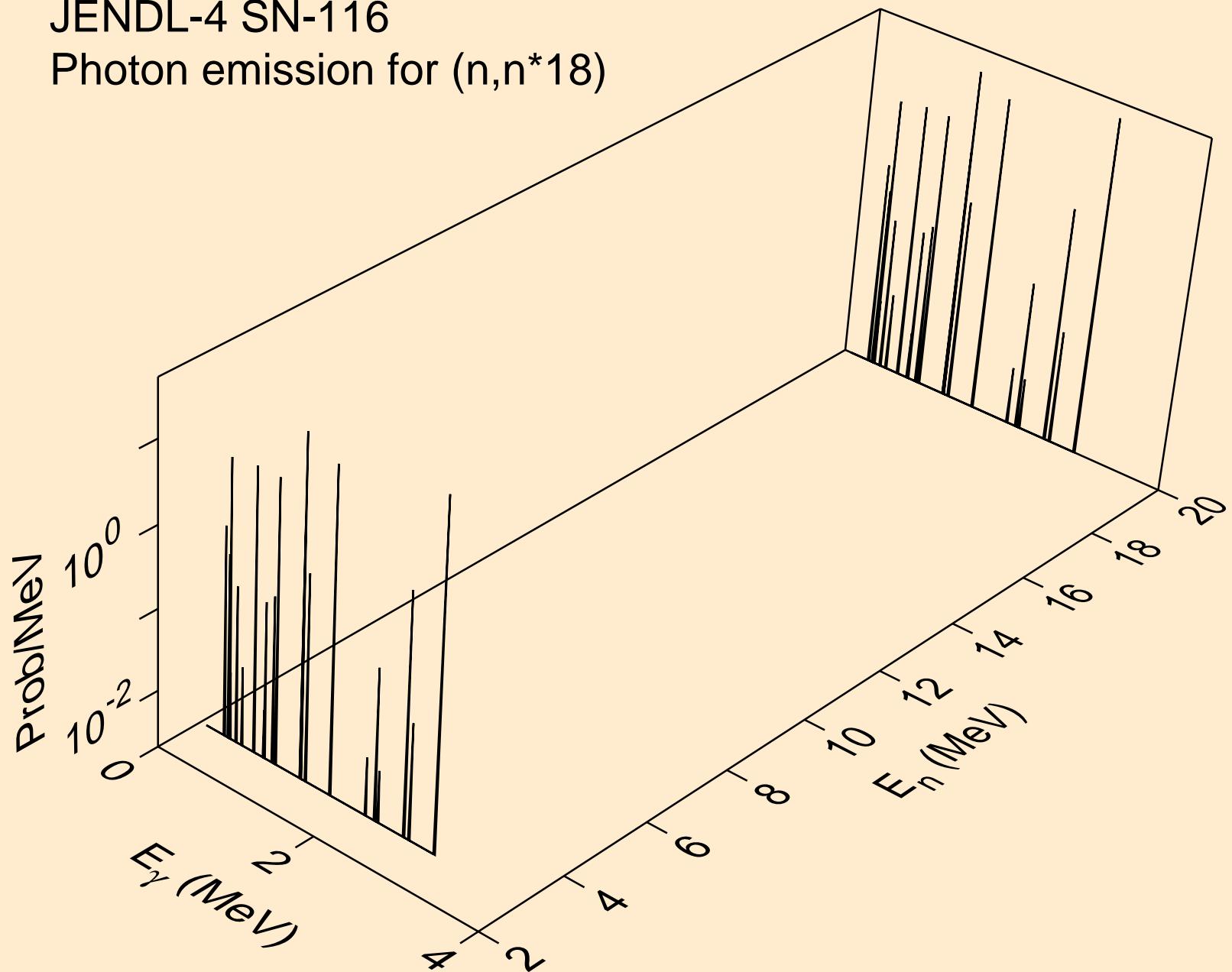
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Photon emission for (n,n\*16)



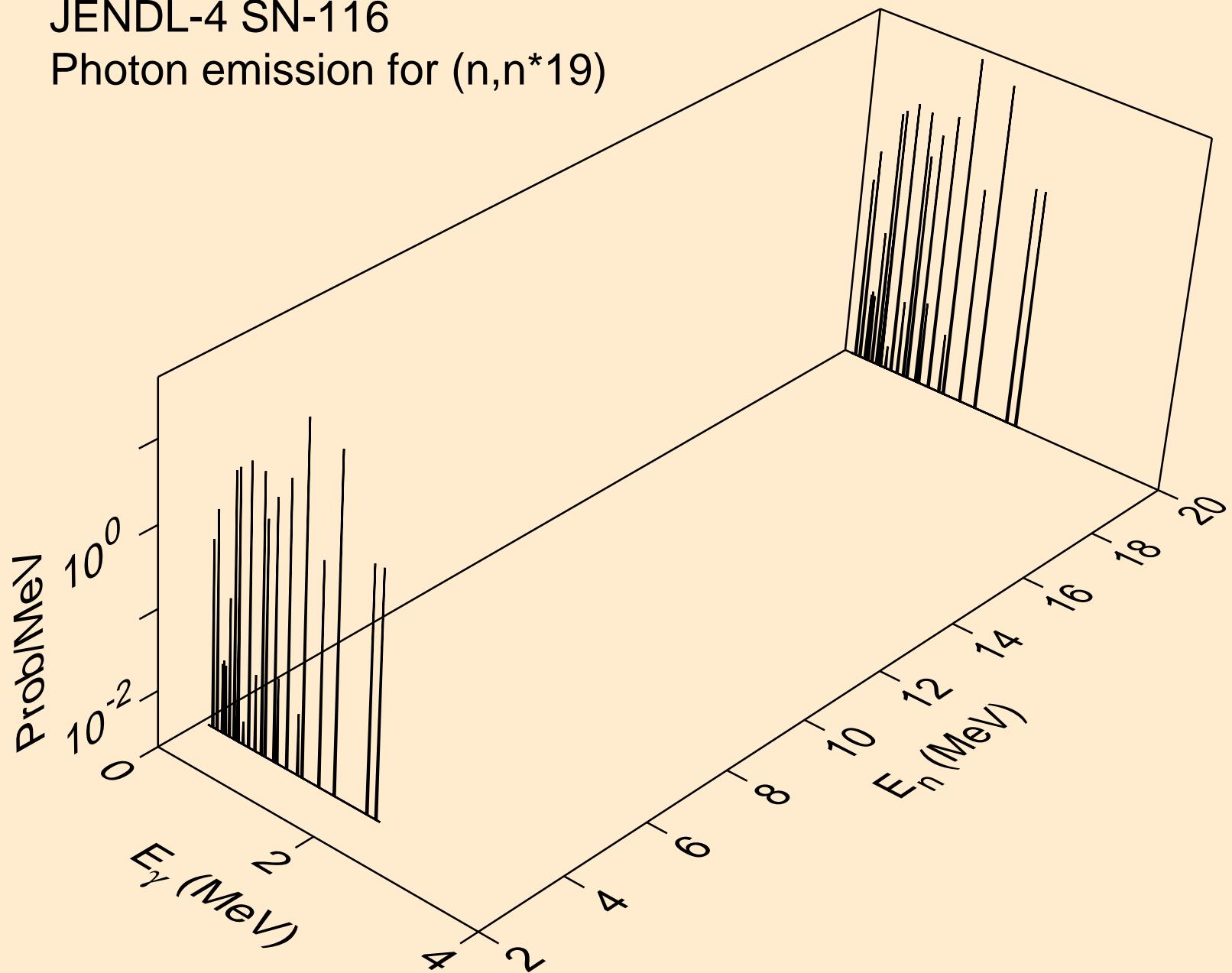
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Photon emission for (n,n\*17)



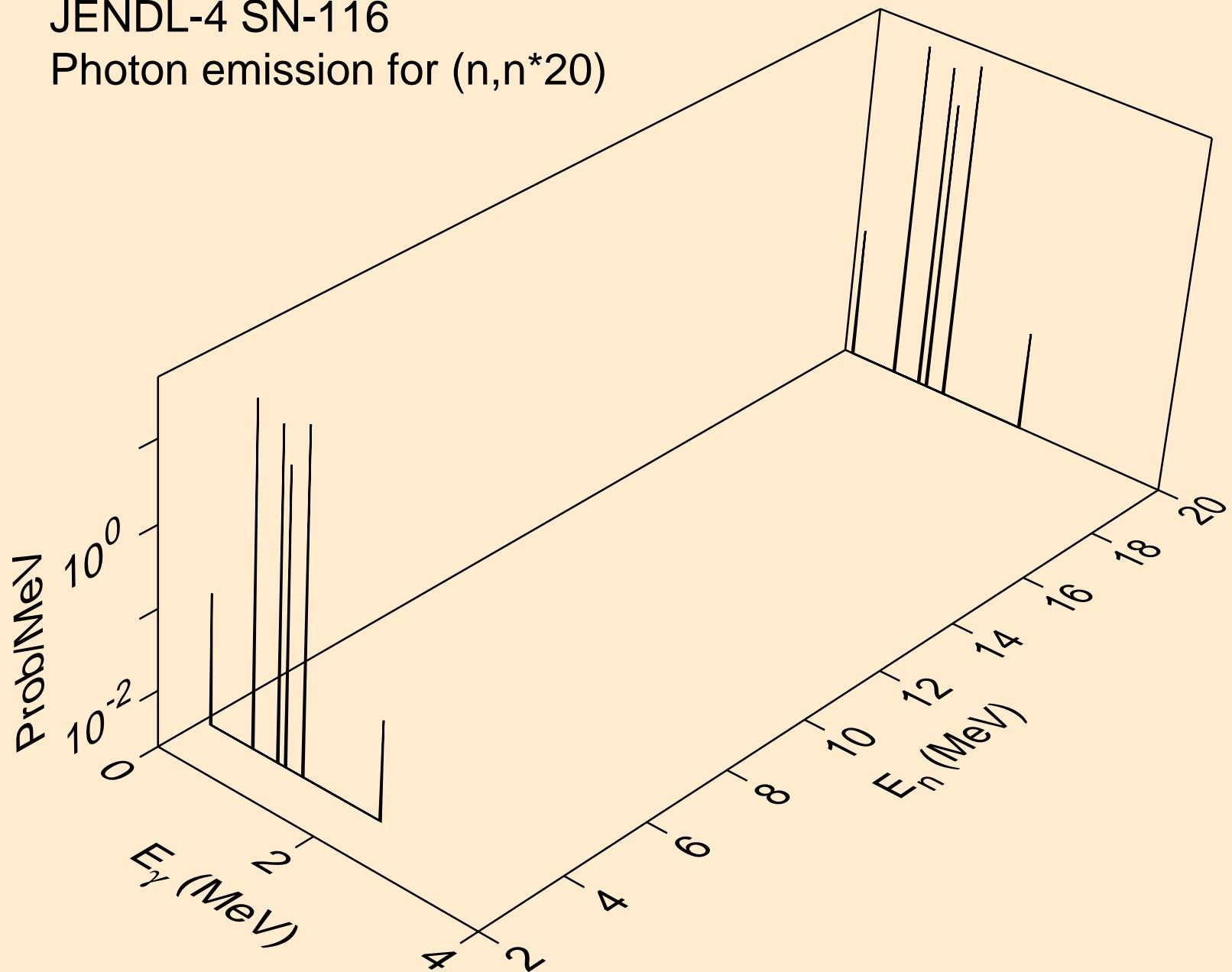
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Photon emission for ( $n, n^* 18$ )



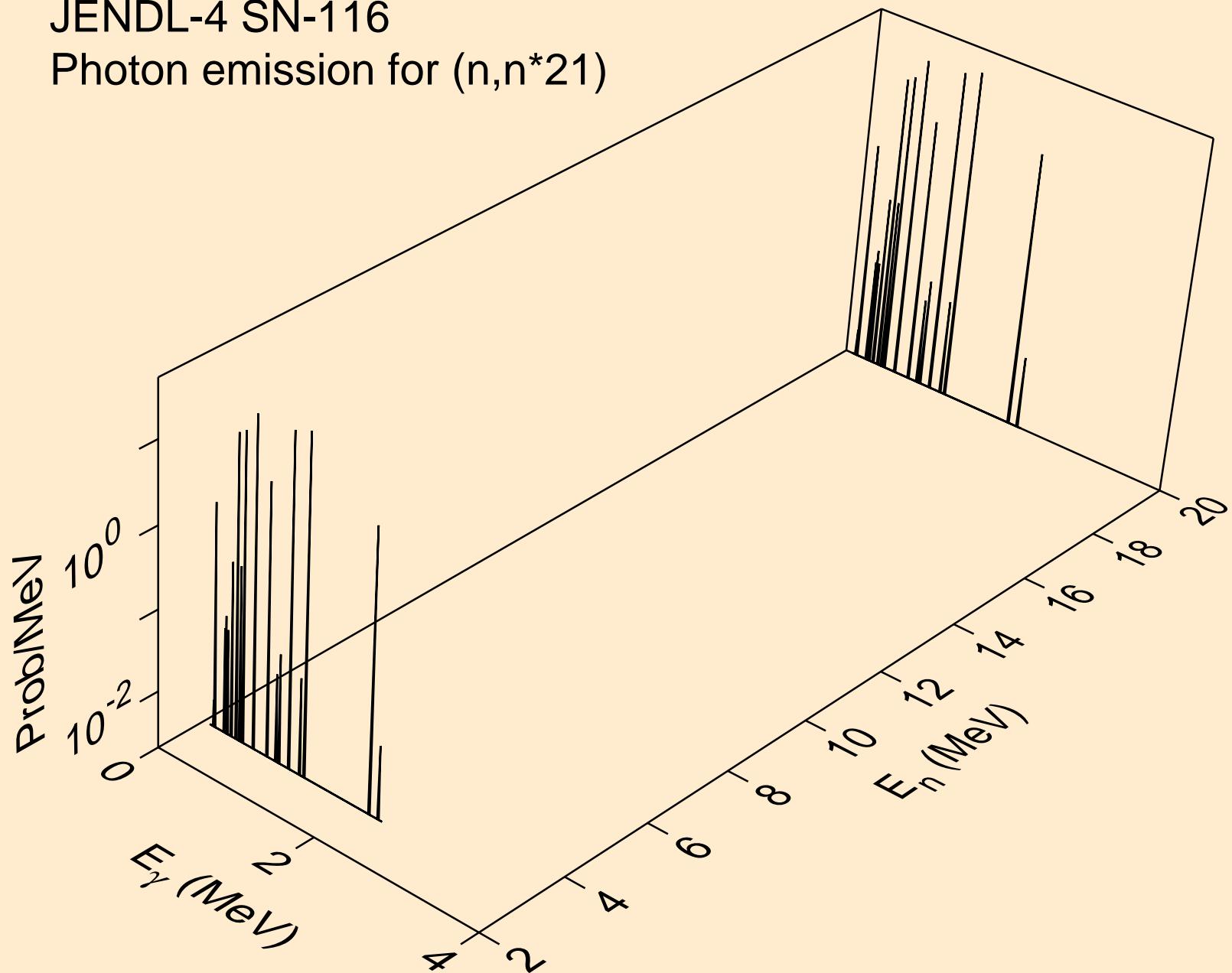
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Photon emission for (n,n\*19)



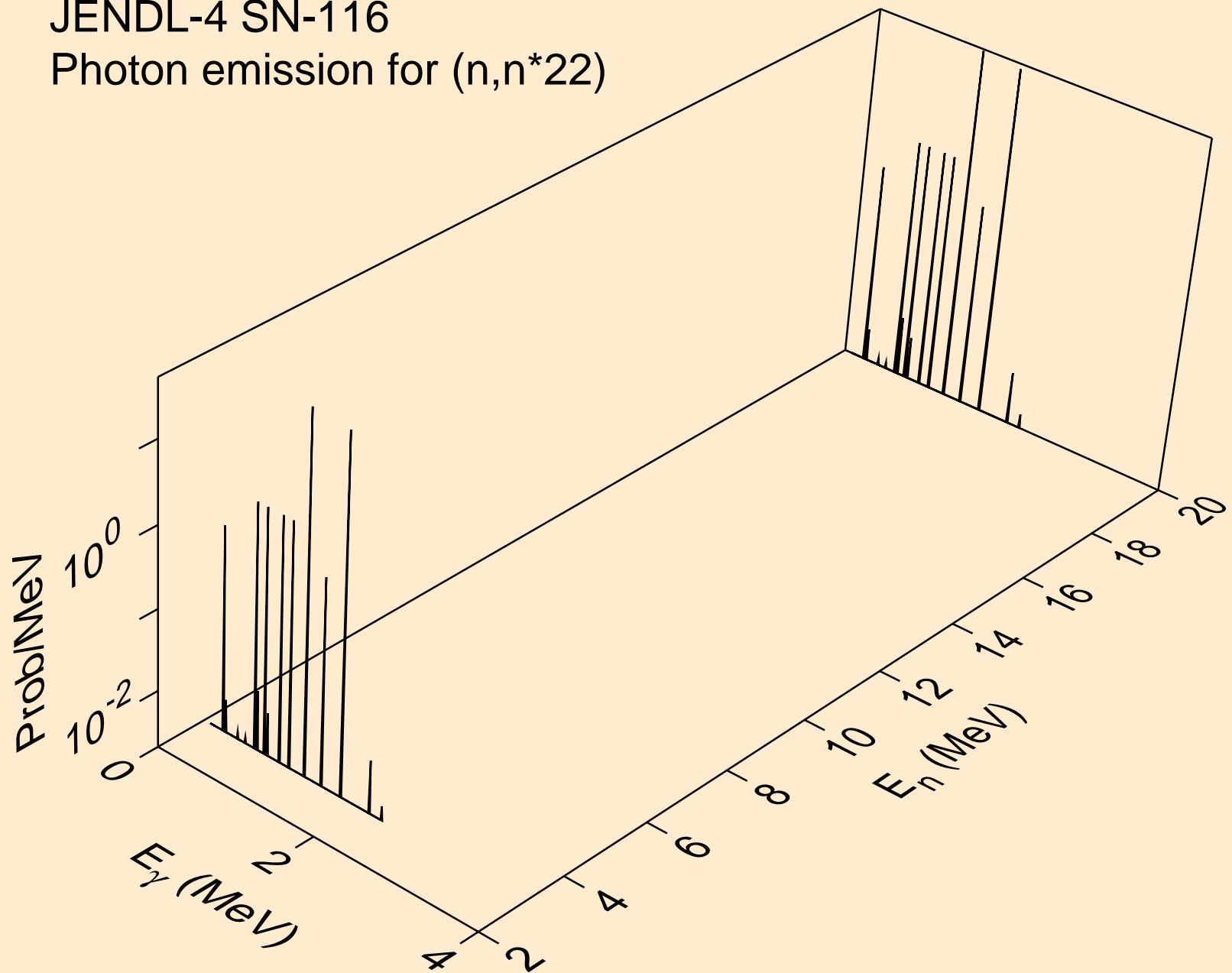
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Photon emission for (n,n\*20)



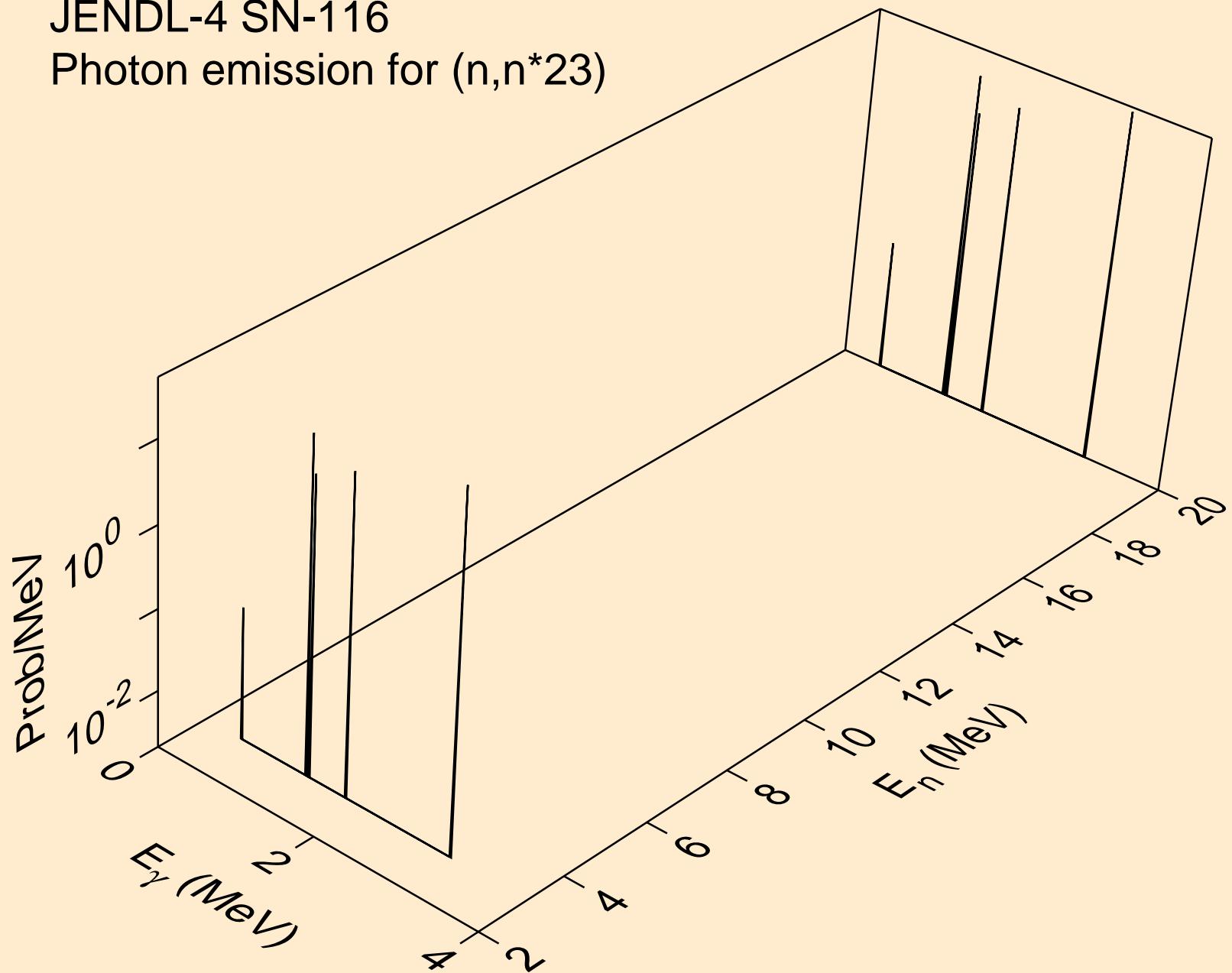
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Photon emission for (n,n\*21)



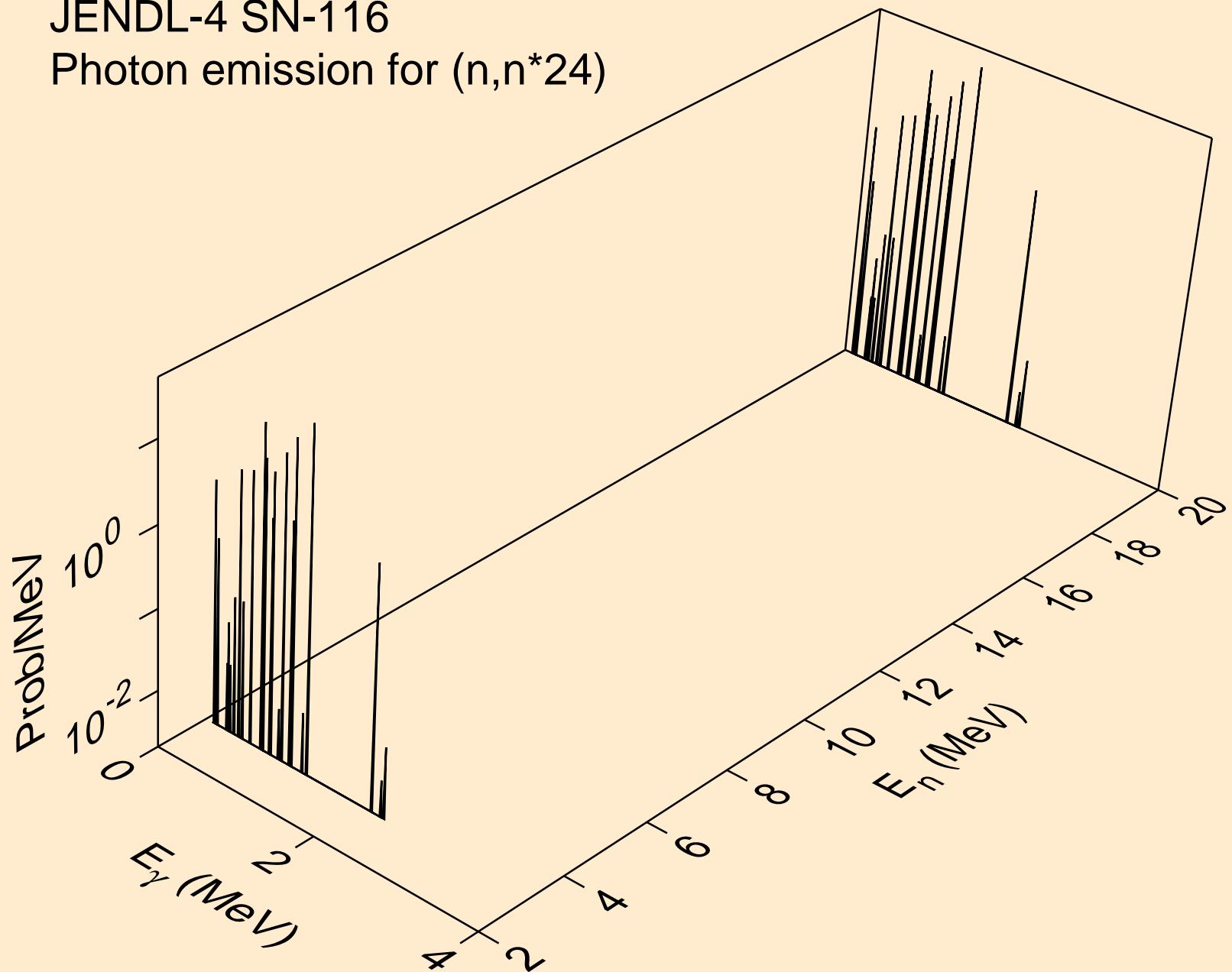
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Photon emission for ( $n, n^* 22$ )



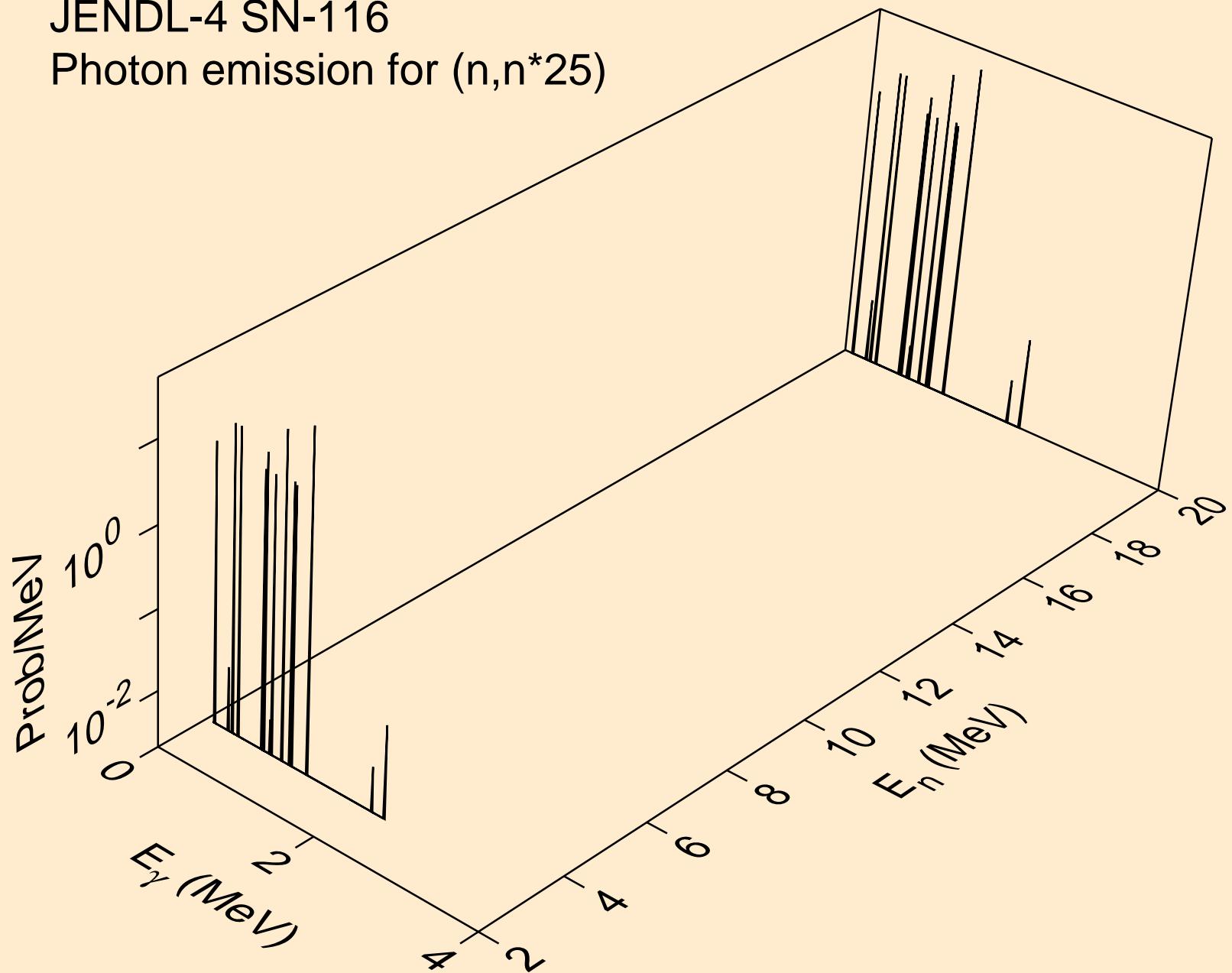
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Photon emission for ( $n, n^* 23$ )



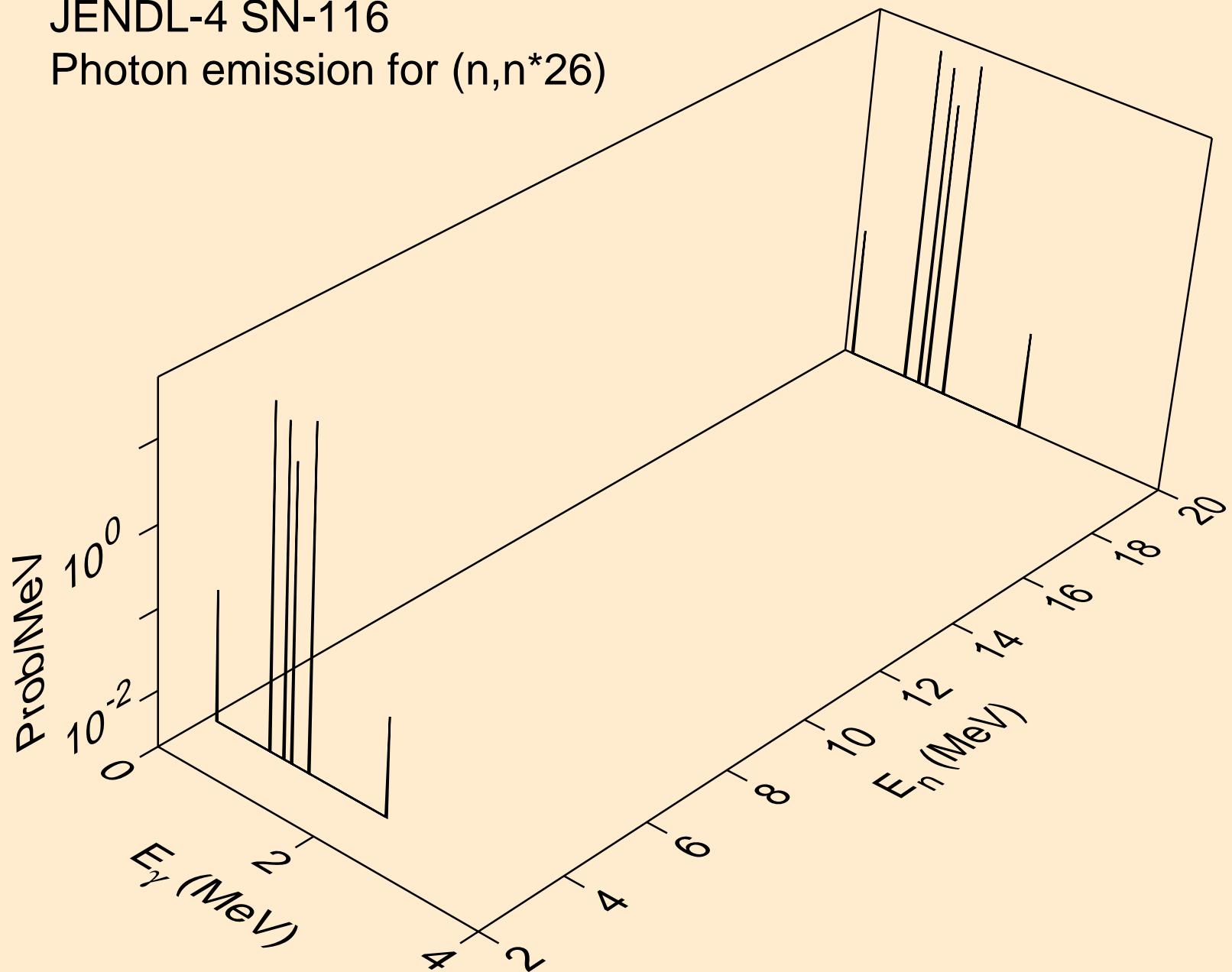
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Photon emission for (n,n\*24)



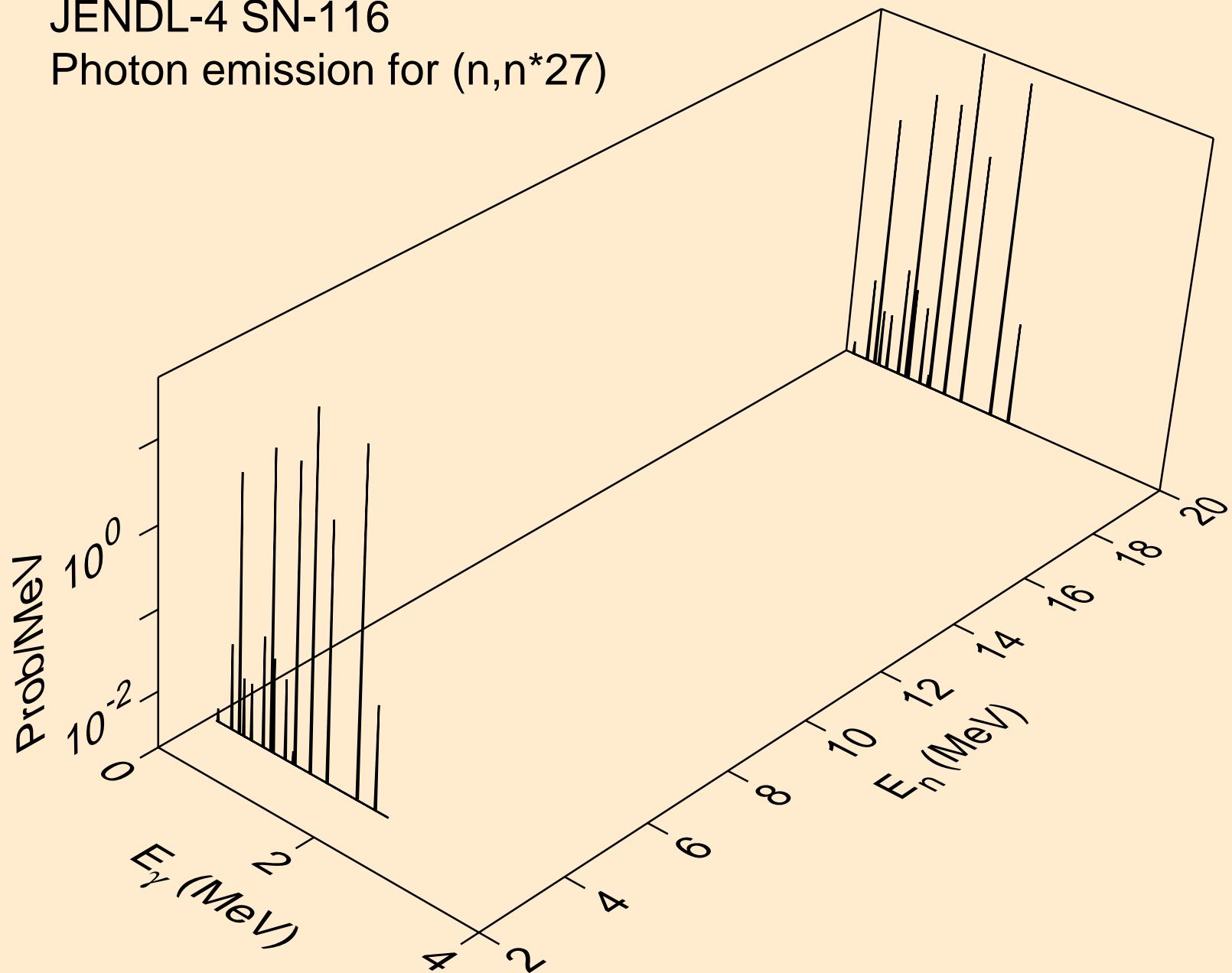
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Photon emission for (n,n\*25)



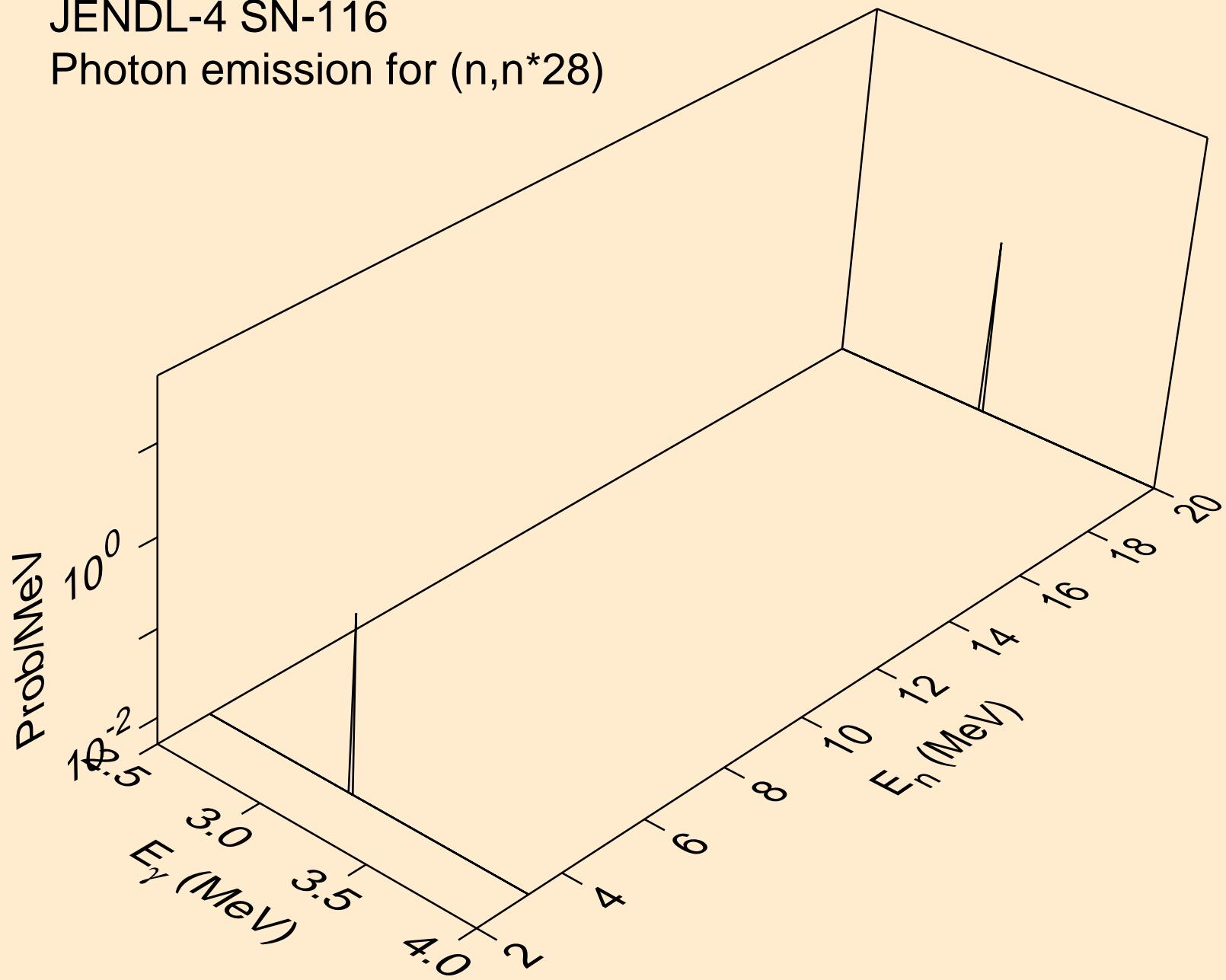
JENDL-4 SN-116  
Photon emission for (n,n\*26)



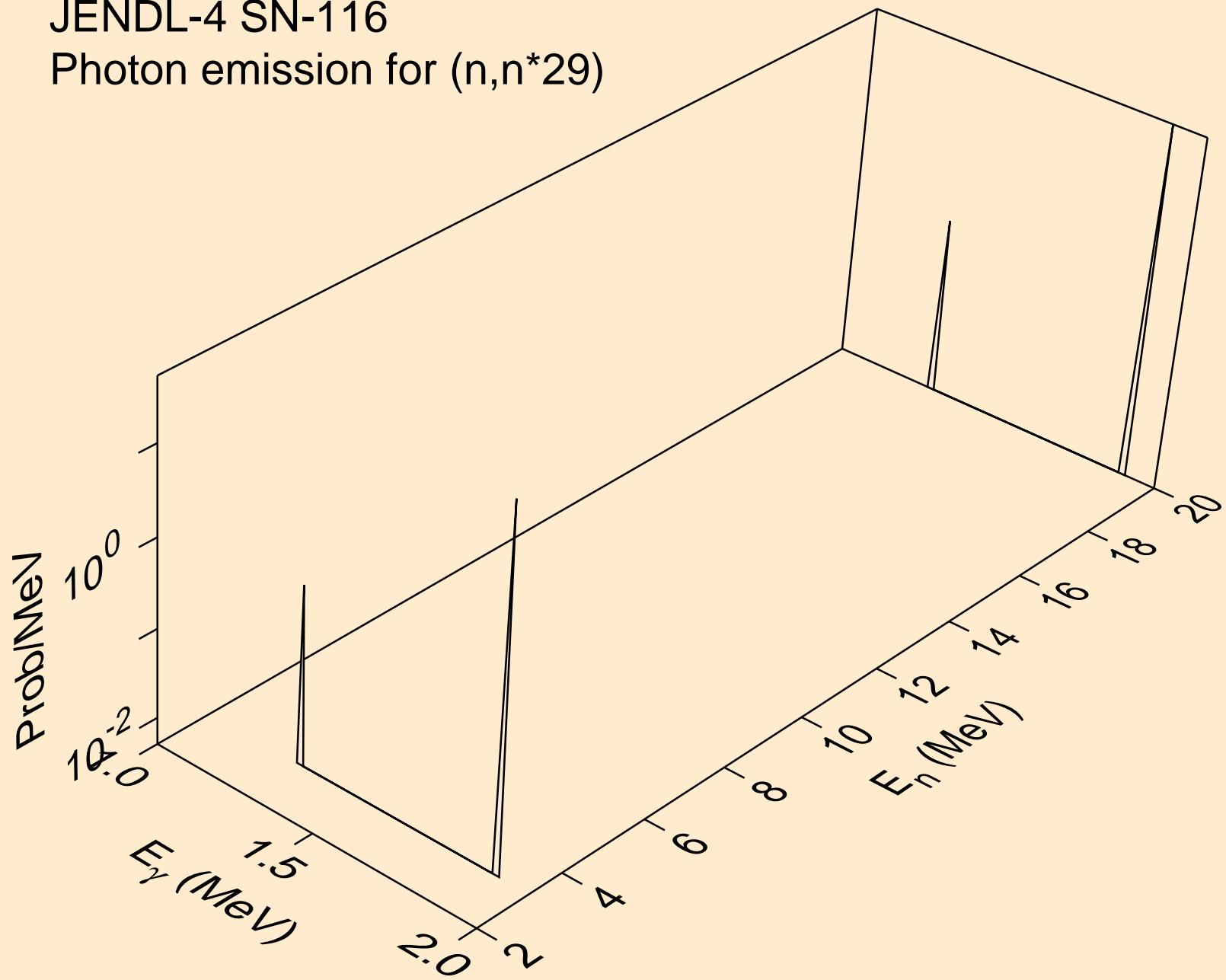
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Photon emission for (n,n\*27)



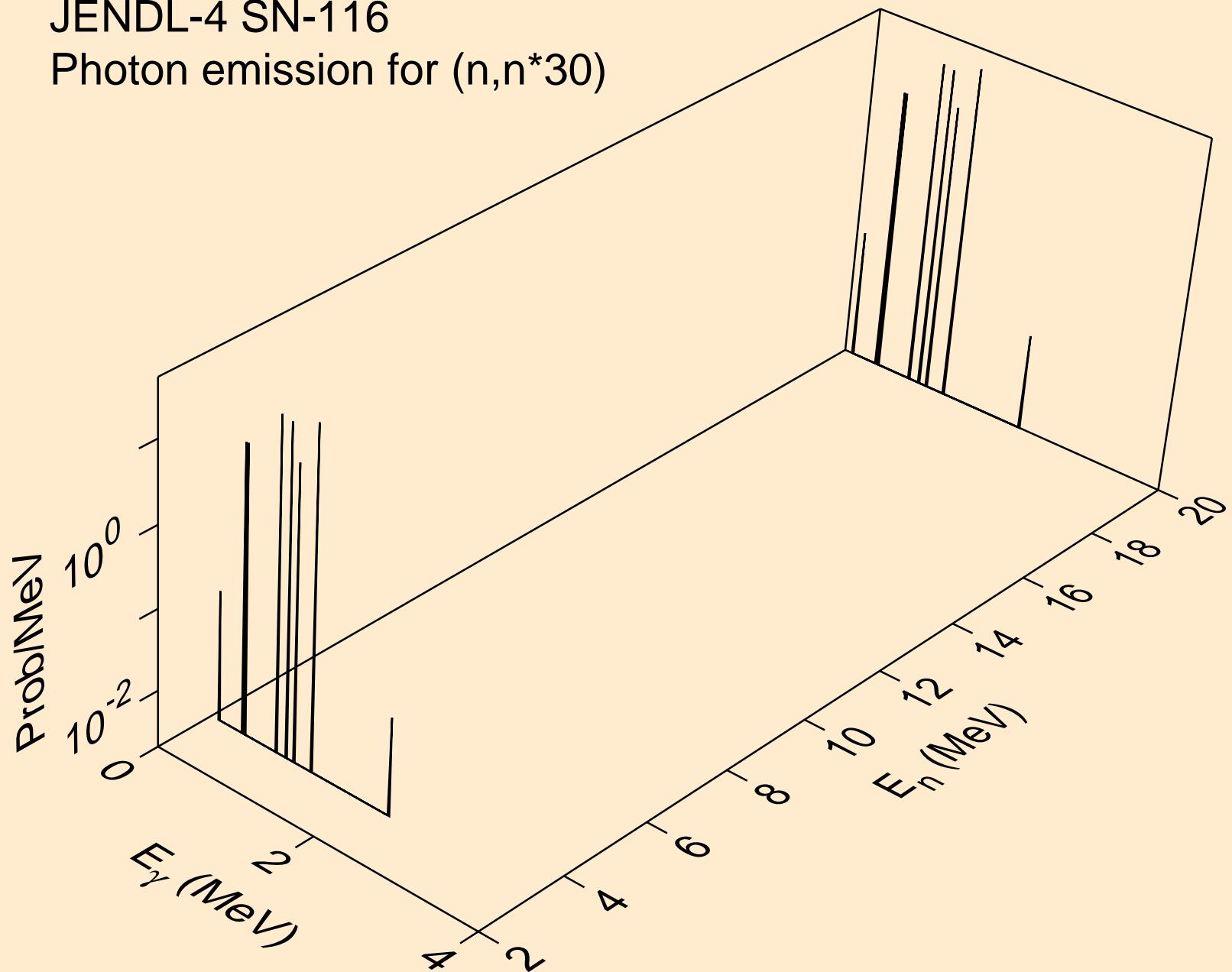
JENDL-4 SN-116  
Photon emission for ( $n, n^* 28$ )



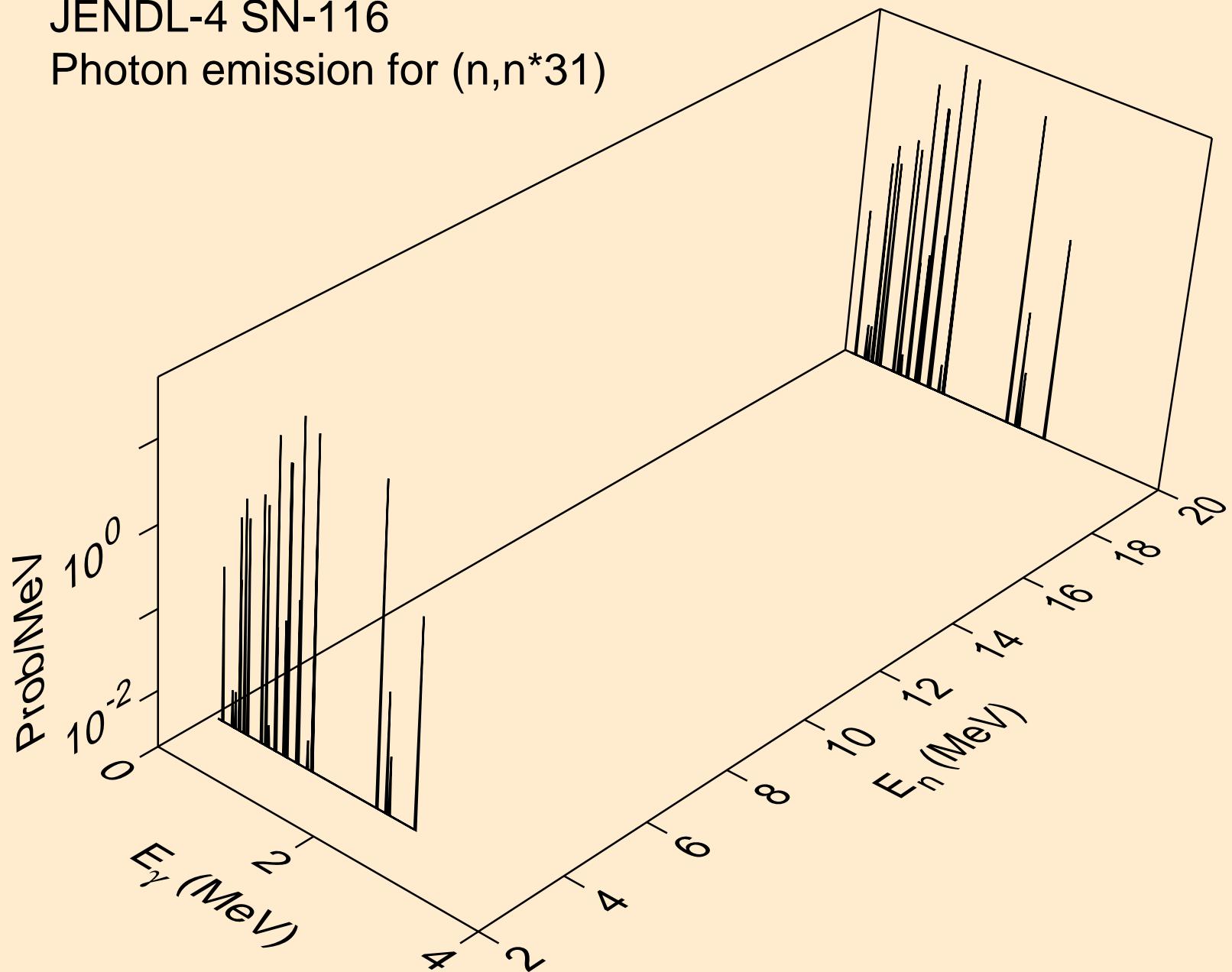
JENDL-4 SN-116  
Photon emission for (n,n\*29)



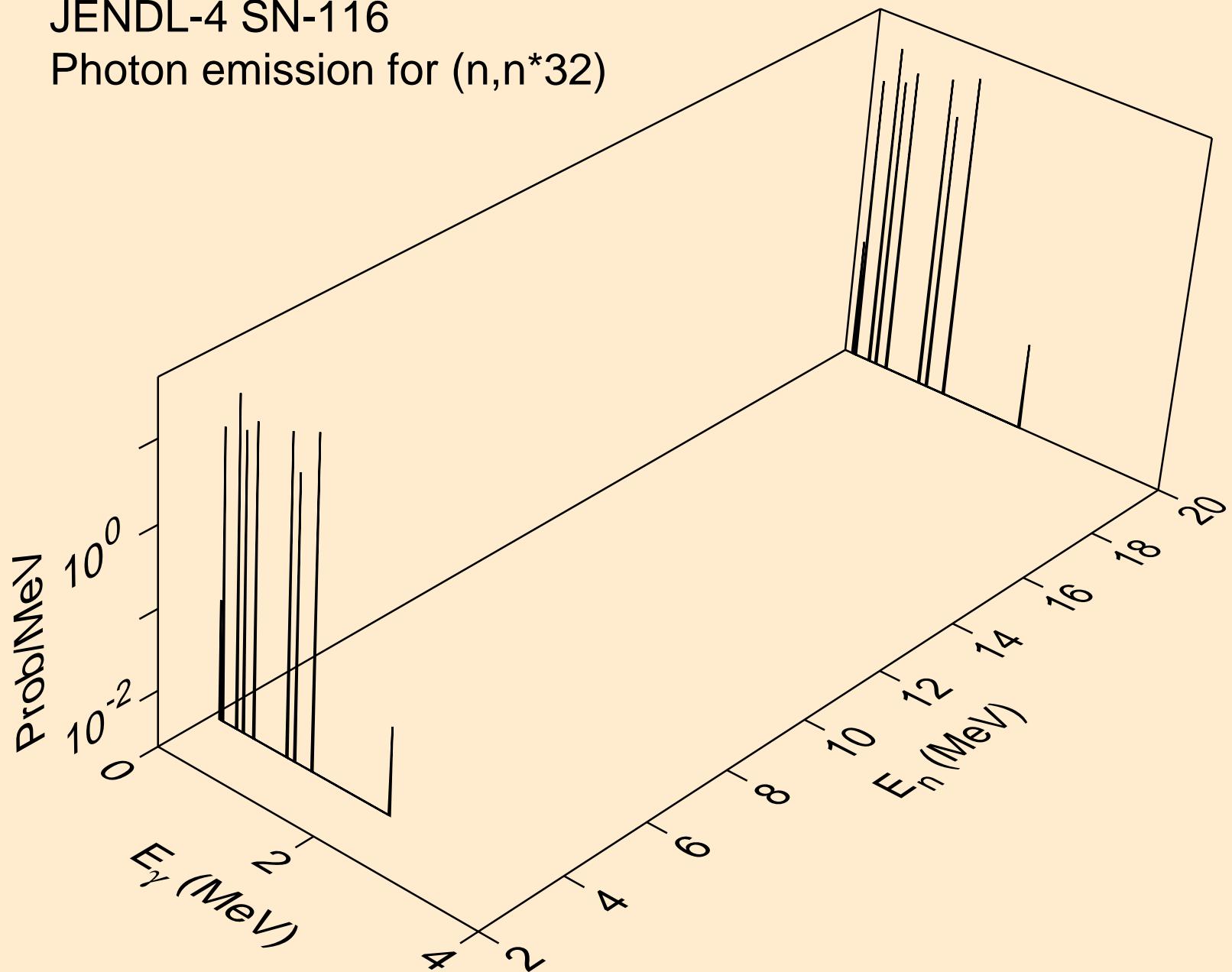
JENDL-4 SN-116  
Photon emission for ( $n, n^*$ )30



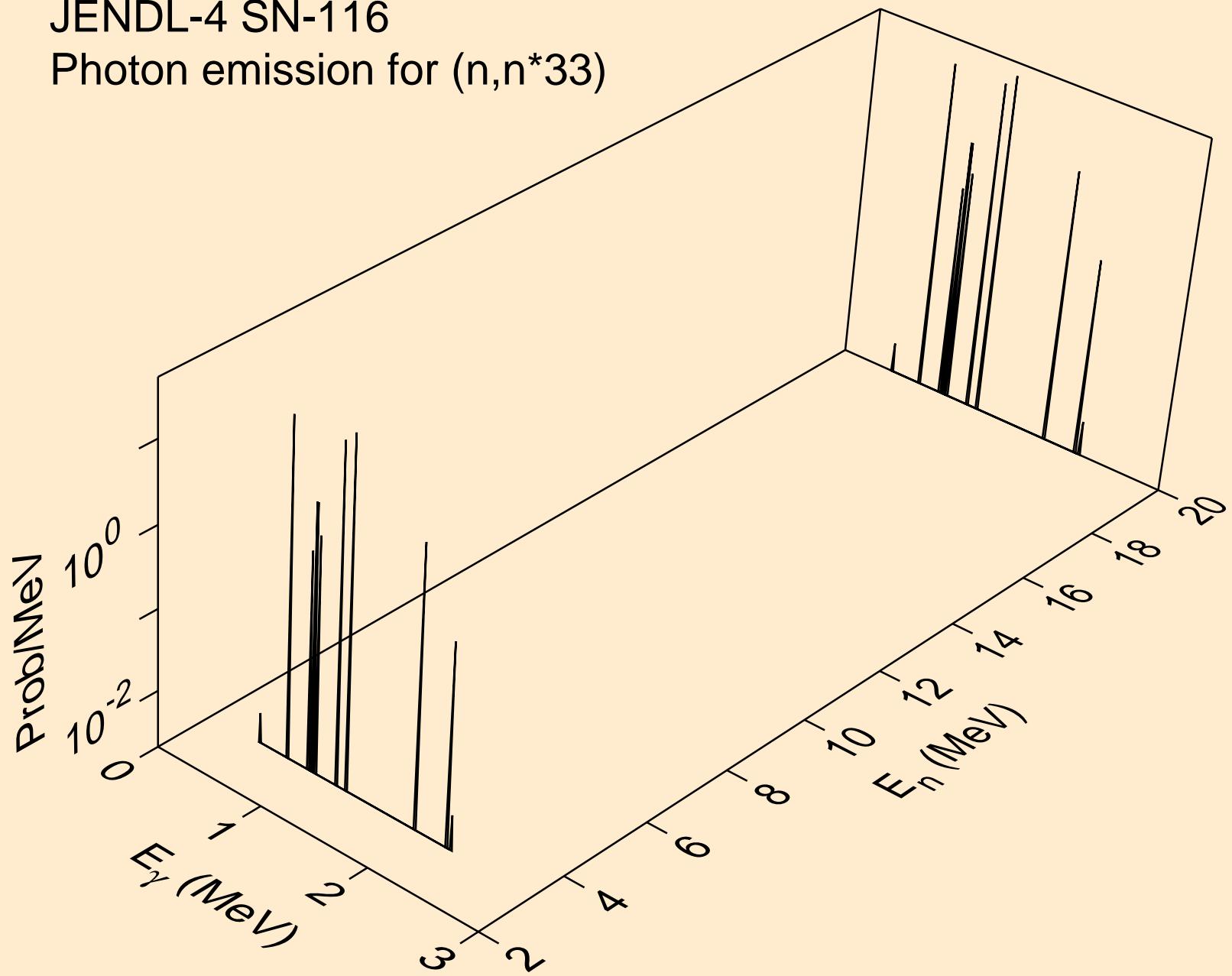
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Photon emission for (n,n\*31)



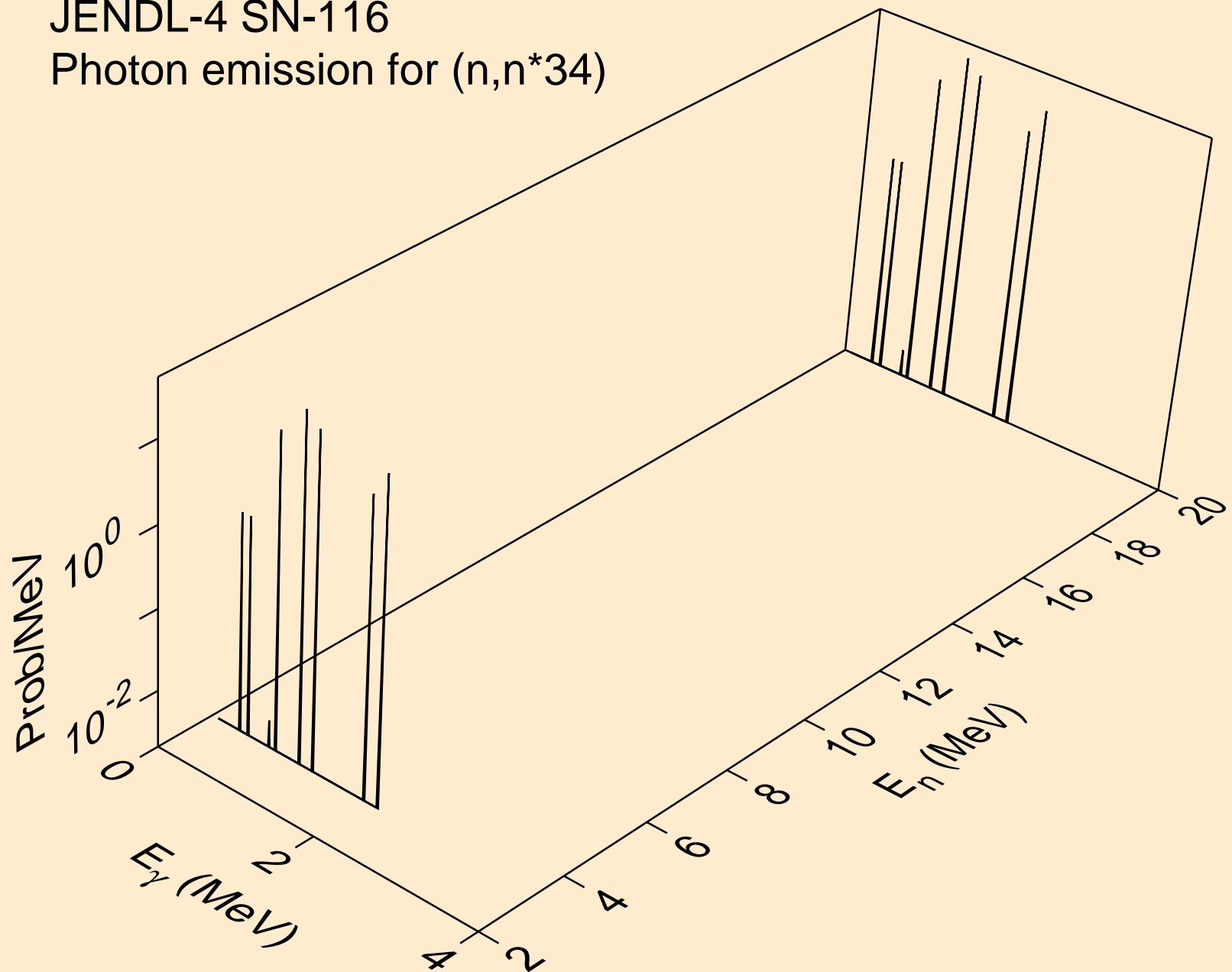
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Photon emission for (n,n\*32)



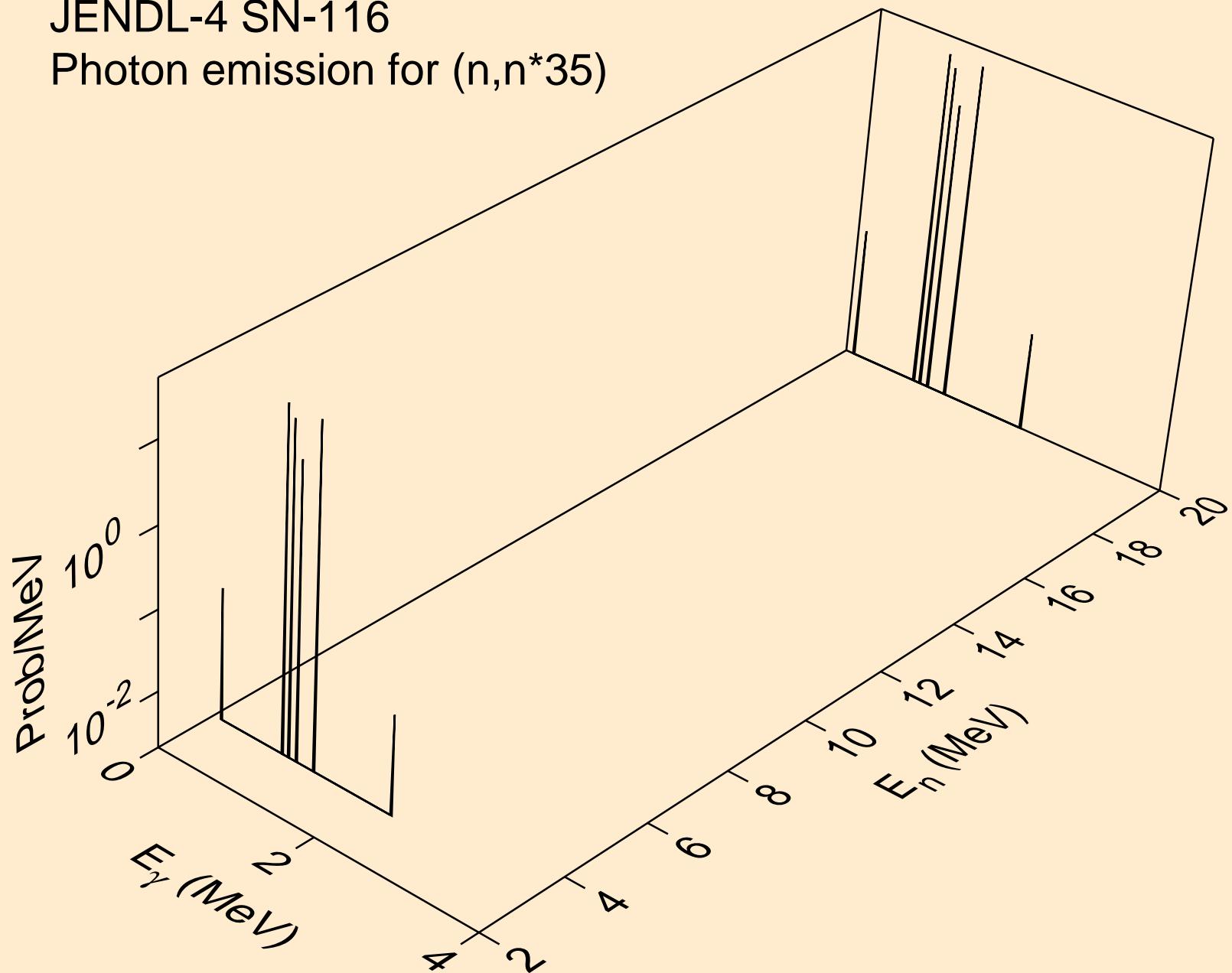
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Photon emission for ( $n, n^* 33$ )



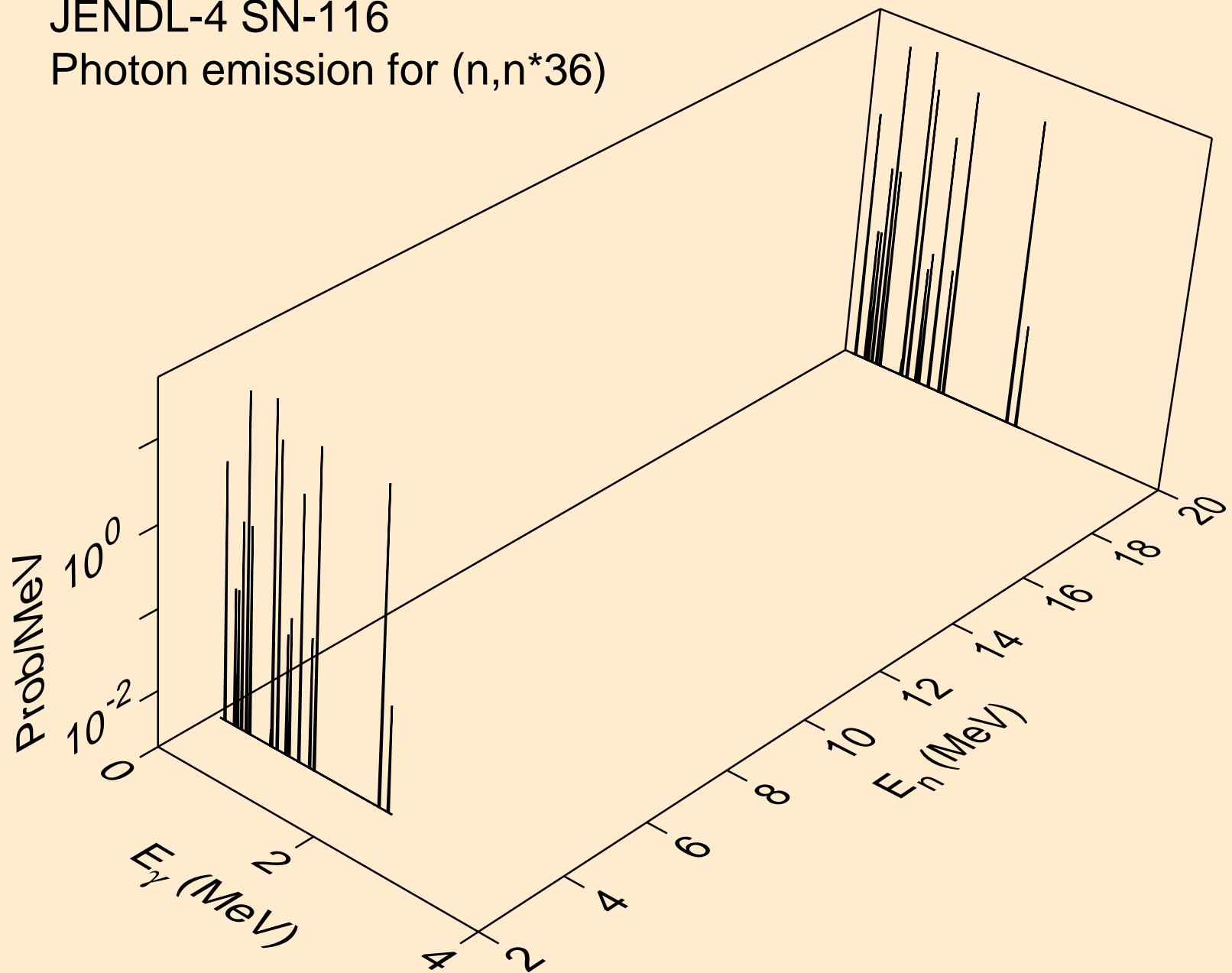
JENDL-4 SN-116  
Photon emission for ( $n, n^*$ )<sup>34</sup>



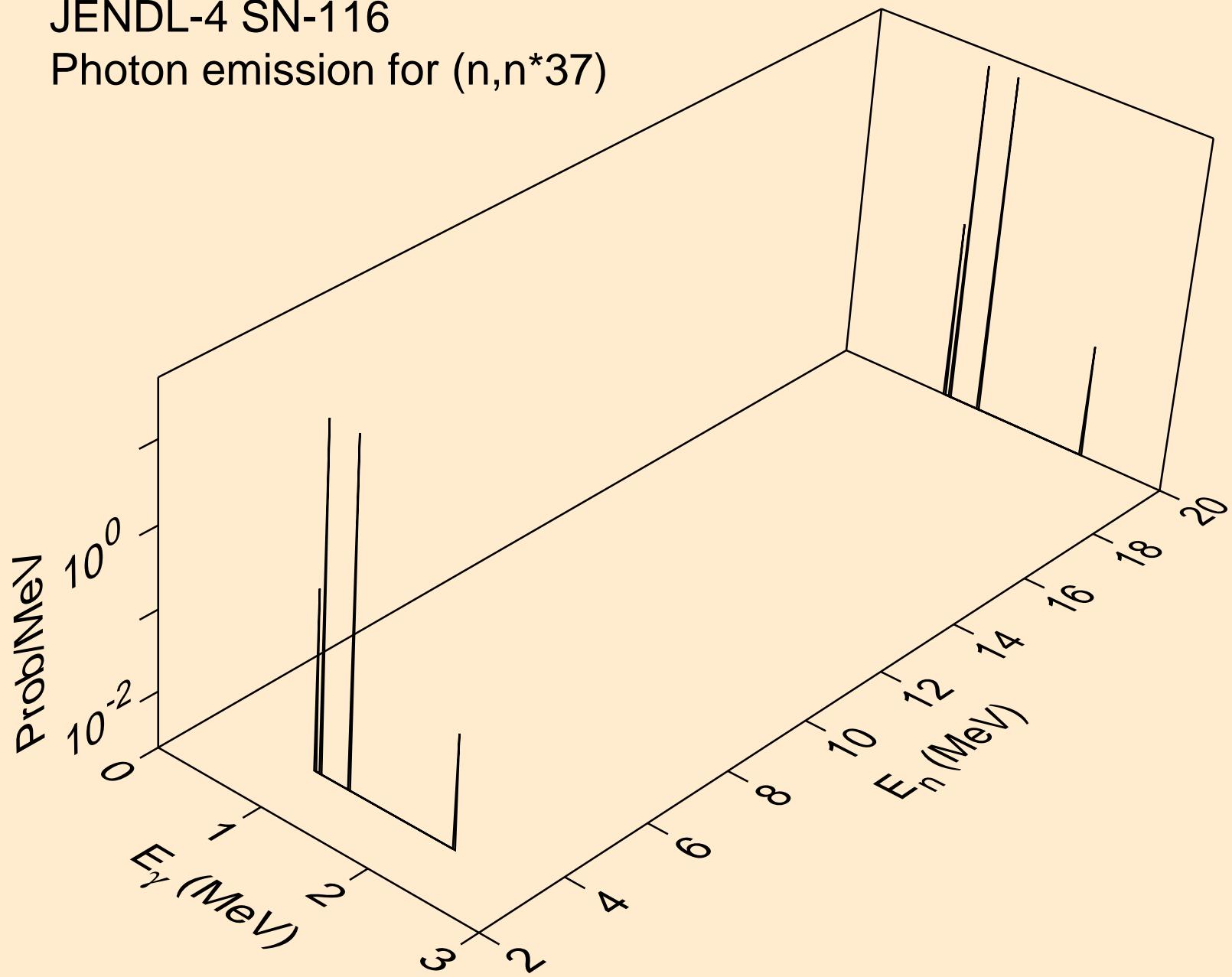
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Photon emission for ( $n, n^*$ )35



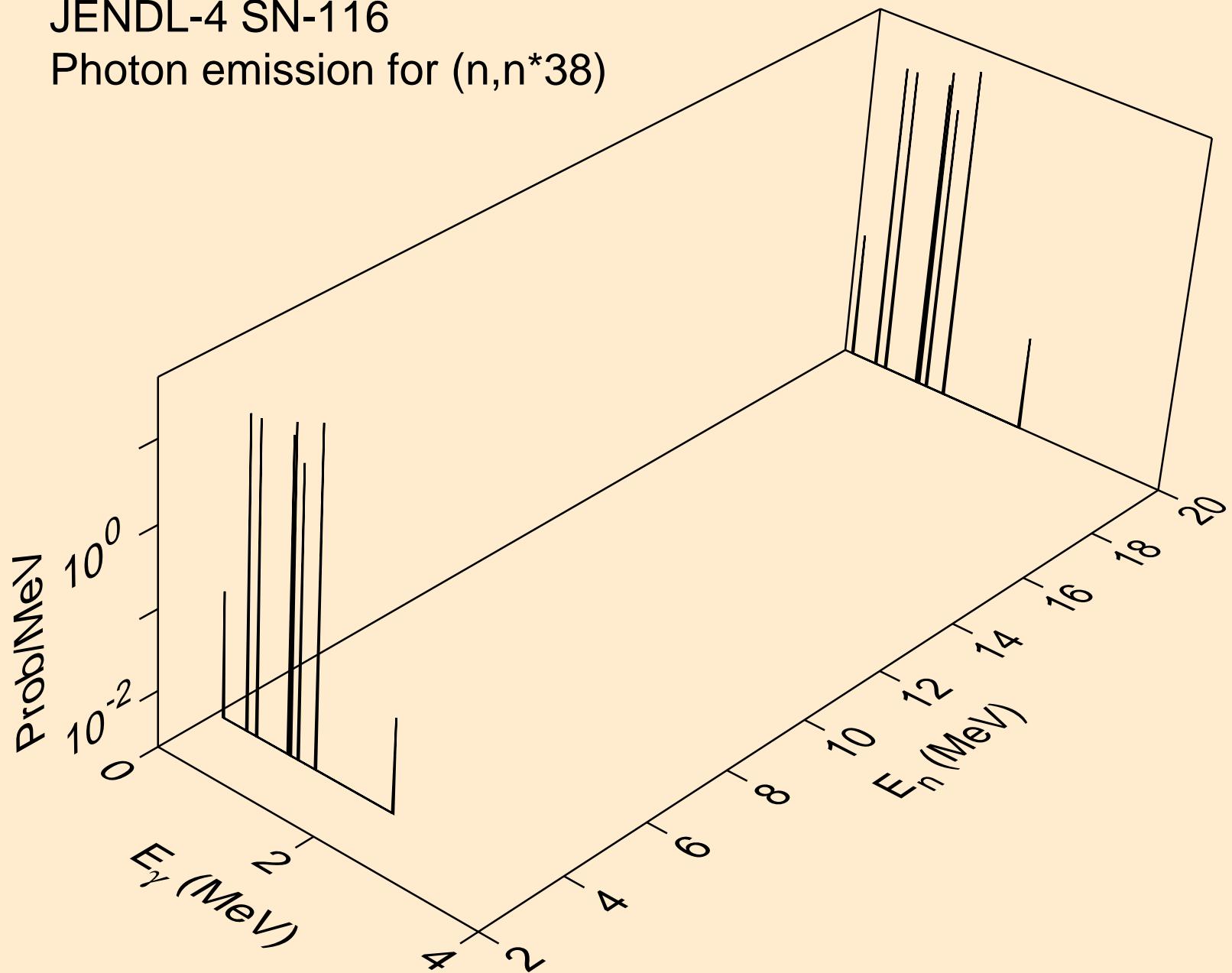
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Photon emission for (n,n\*36)



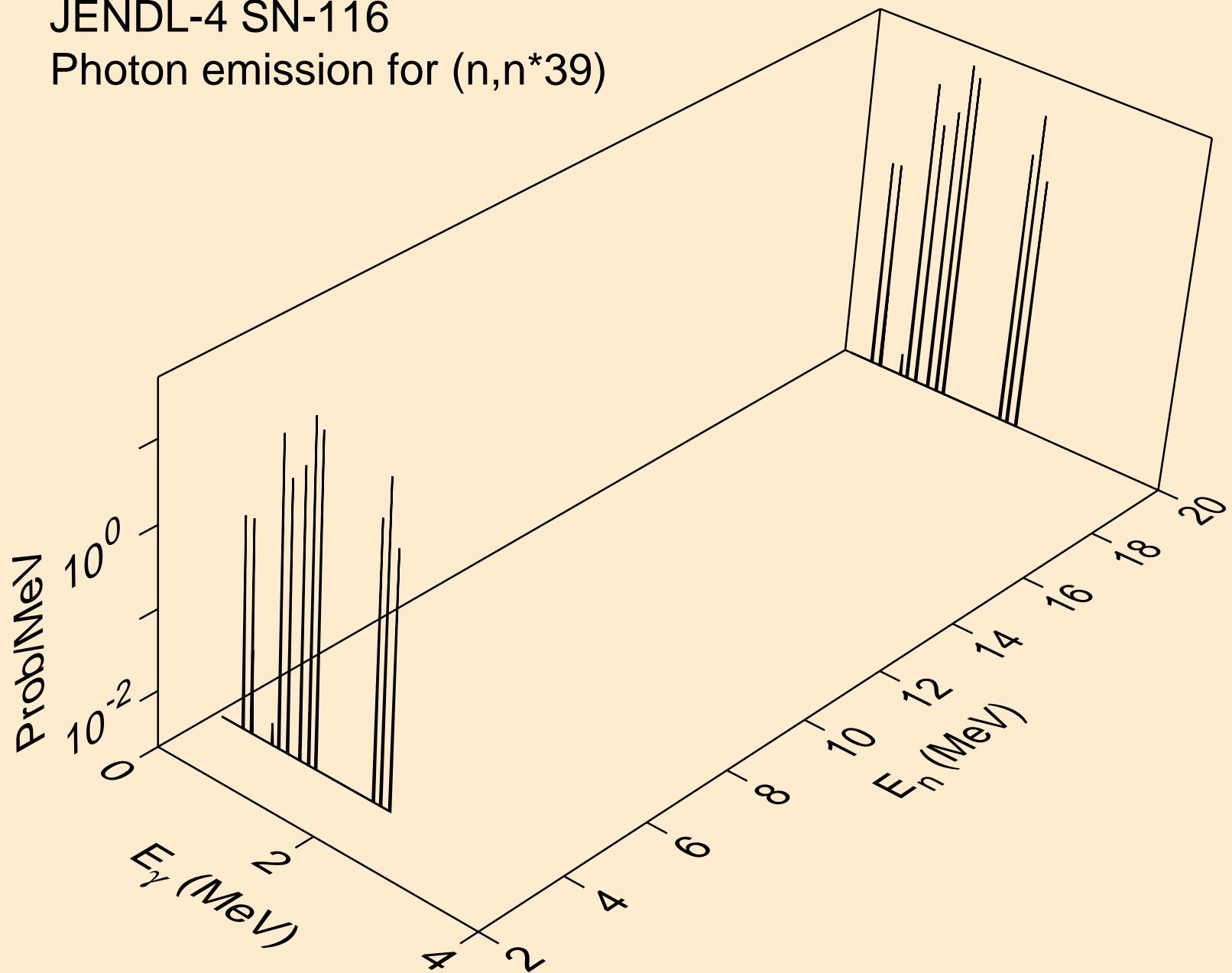
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Photon emission for (n,n\*37)



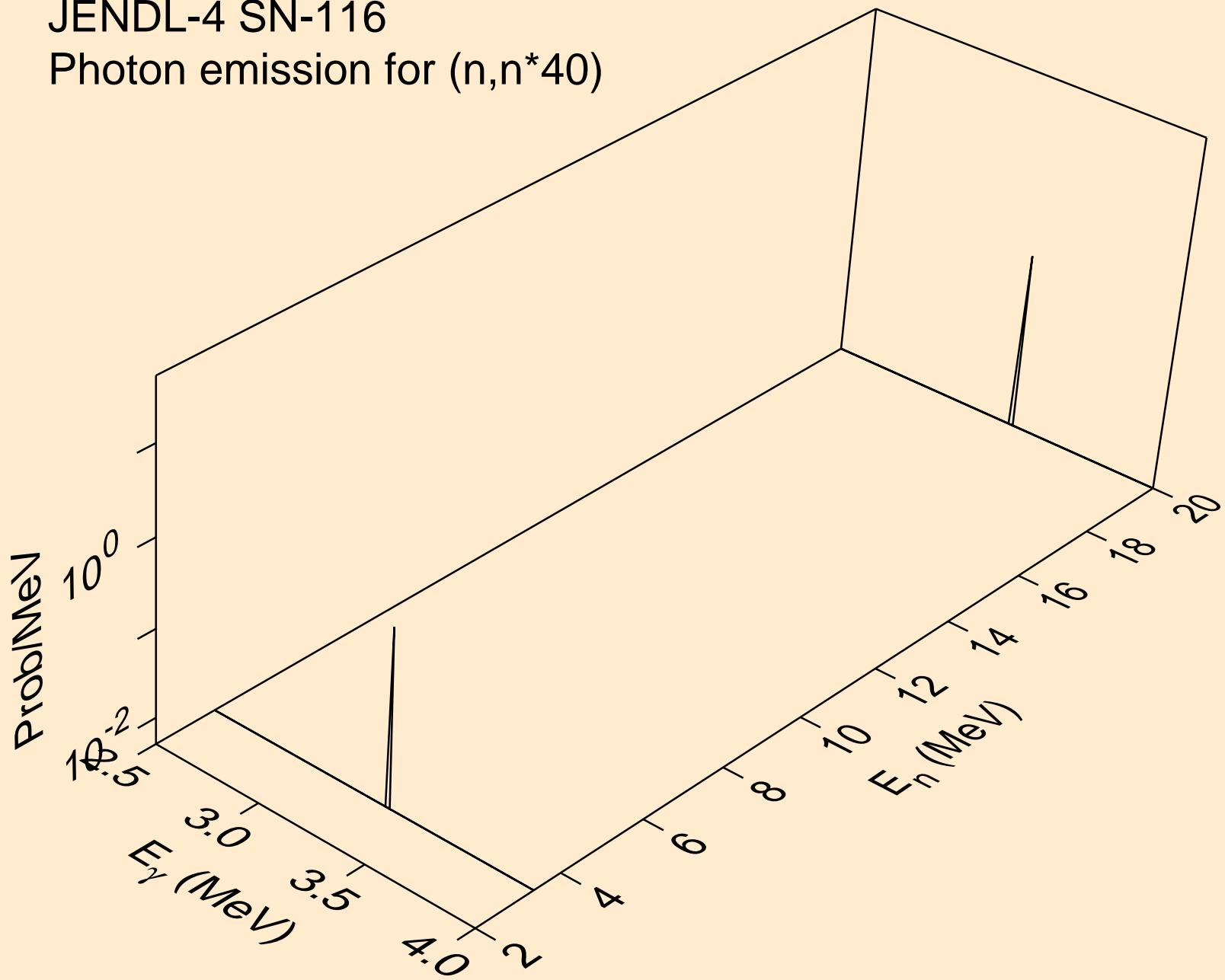
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Photon emission for (n,n\*38)



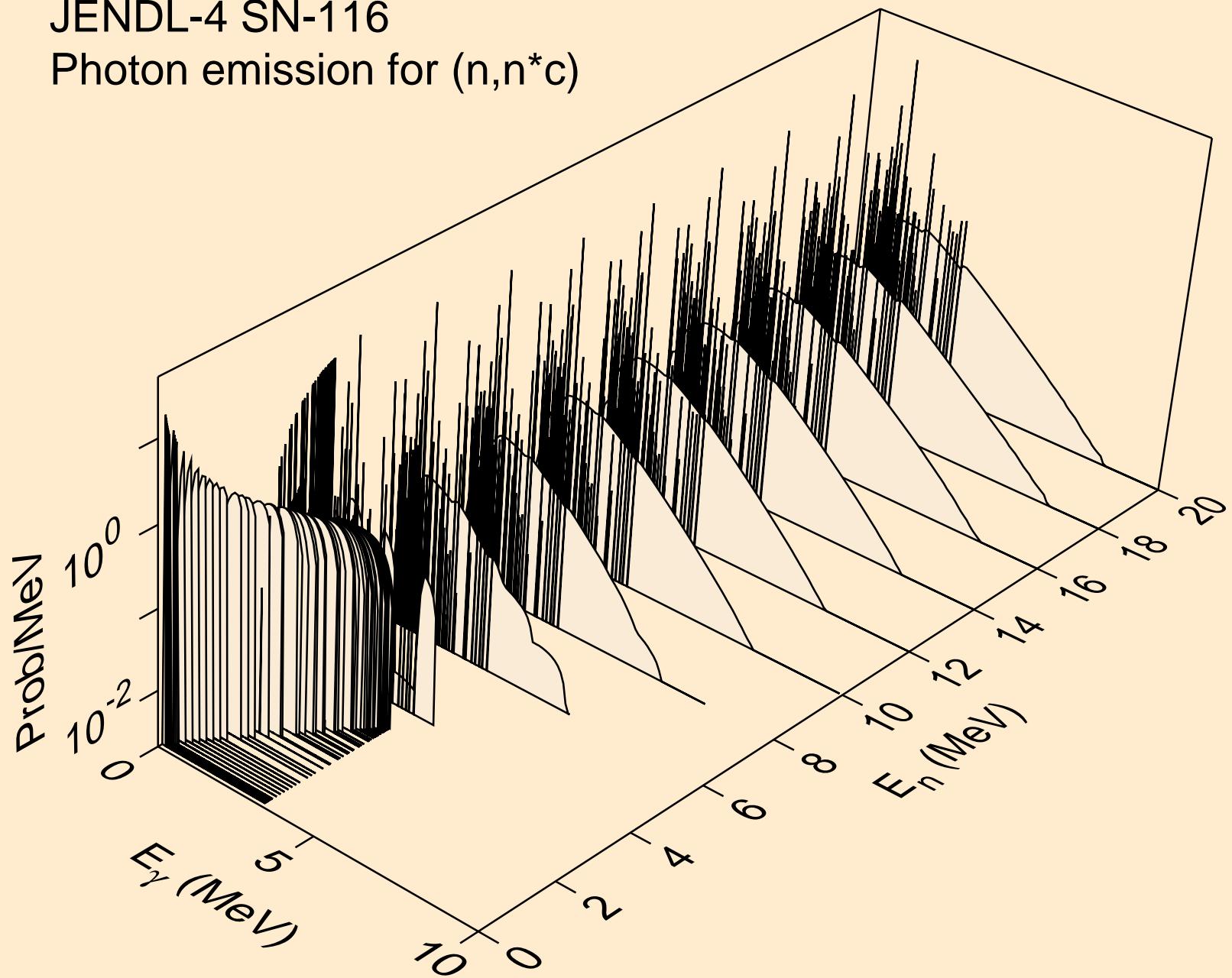
JENDL-4 SN-116  
Photon emission for ( $n, n^* 39$ )



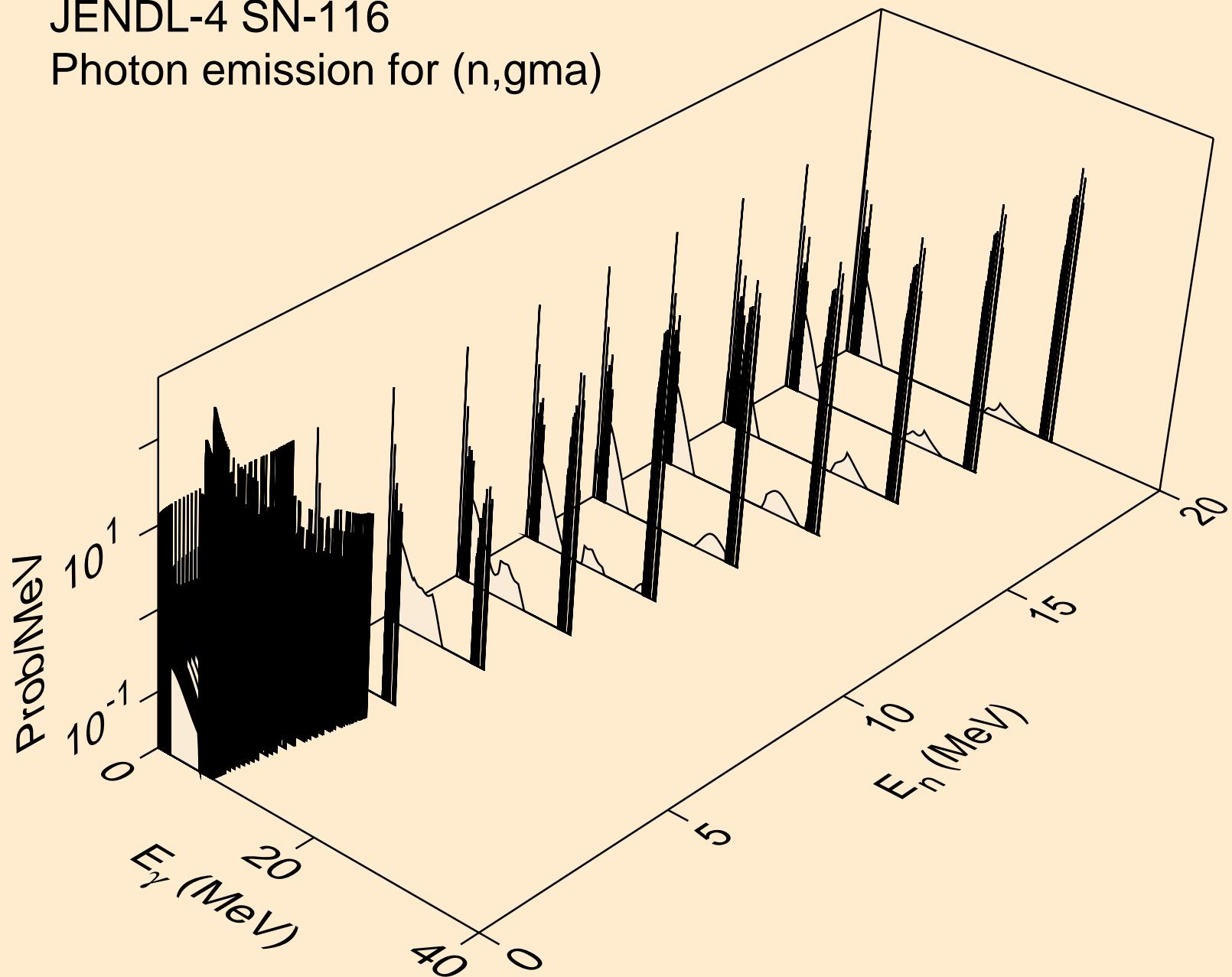
JENDL-4 SN-116  
Photon emission for ( $n, n^*$ )40



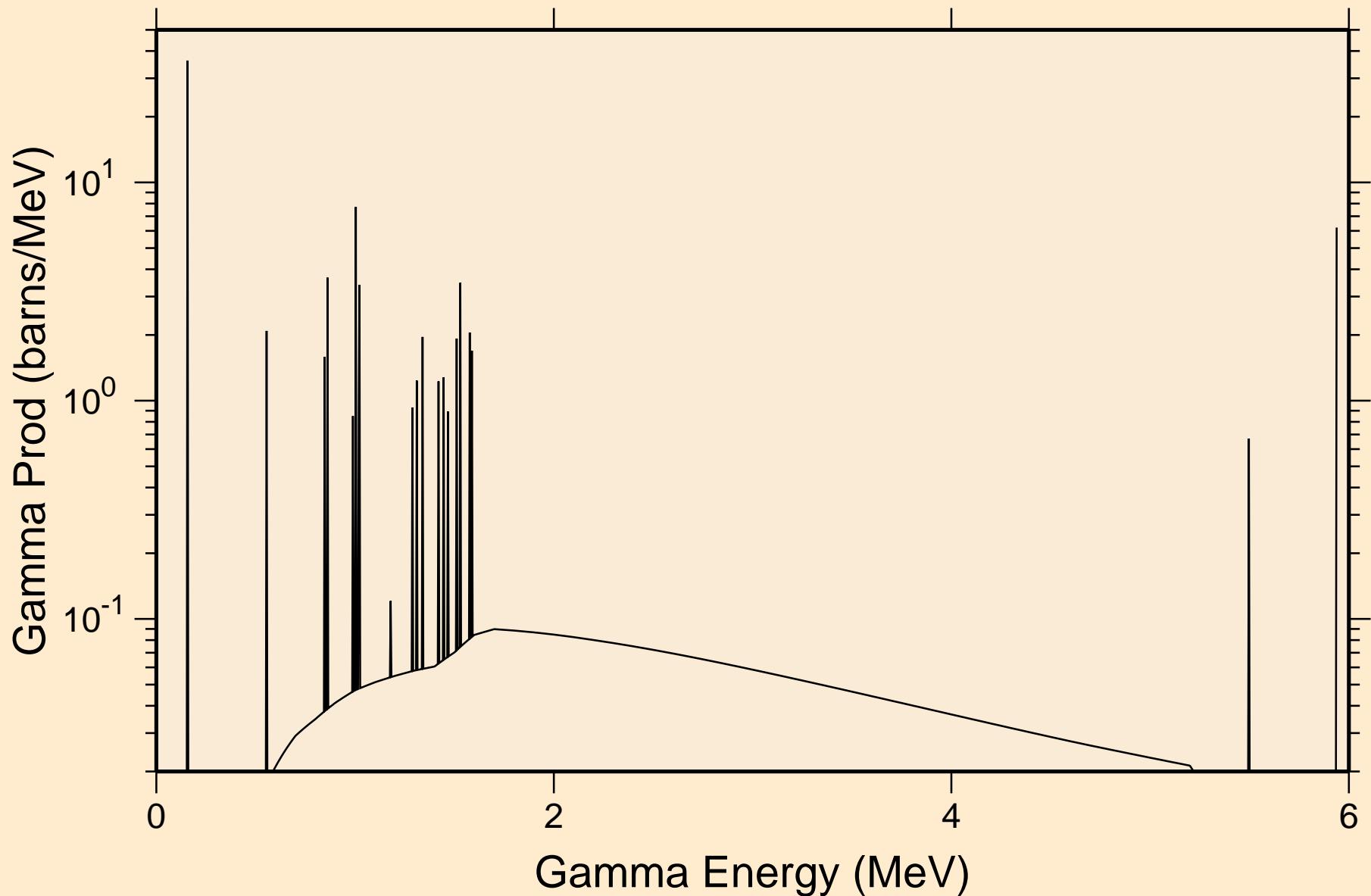
JENDL-4 SN-116  
Photon emission for  $(n,n^*c)$



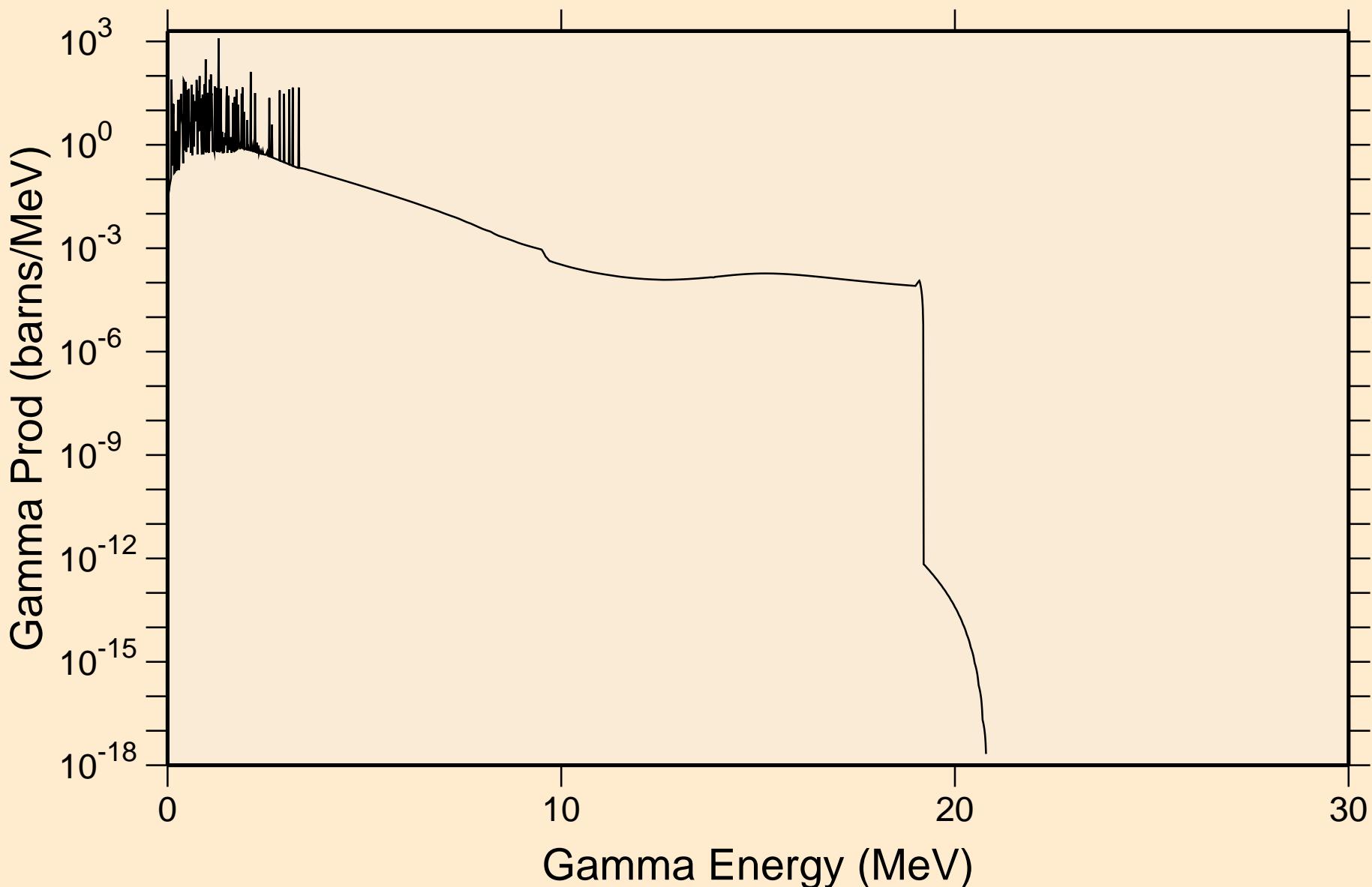
JENDL-4 SN-116  
Photon emission for (n,gma)



JENDL-4 SN-116  
thermal capture photon spectrum

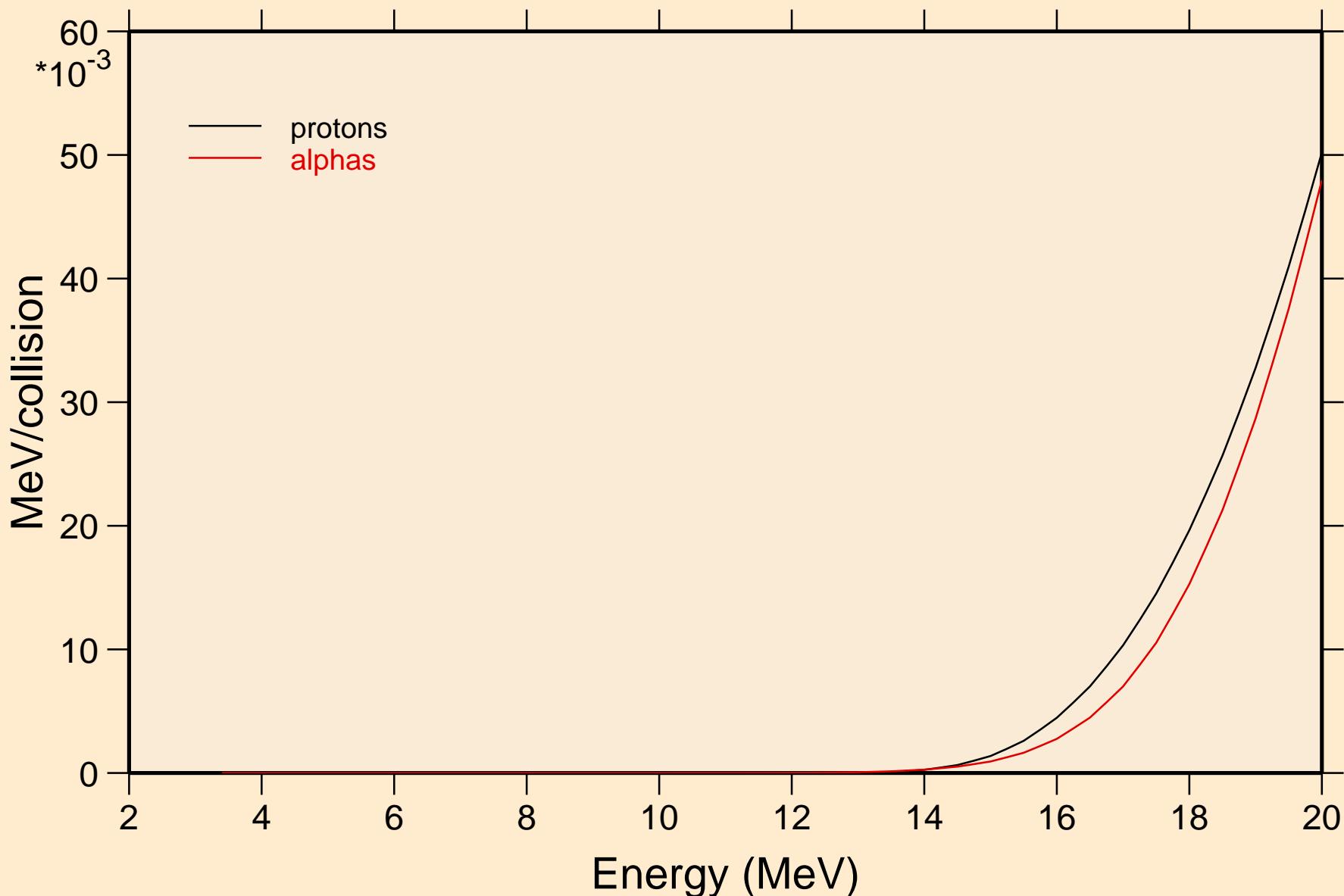


JENDL-4 SN-116  
14 MeV photon spectrum



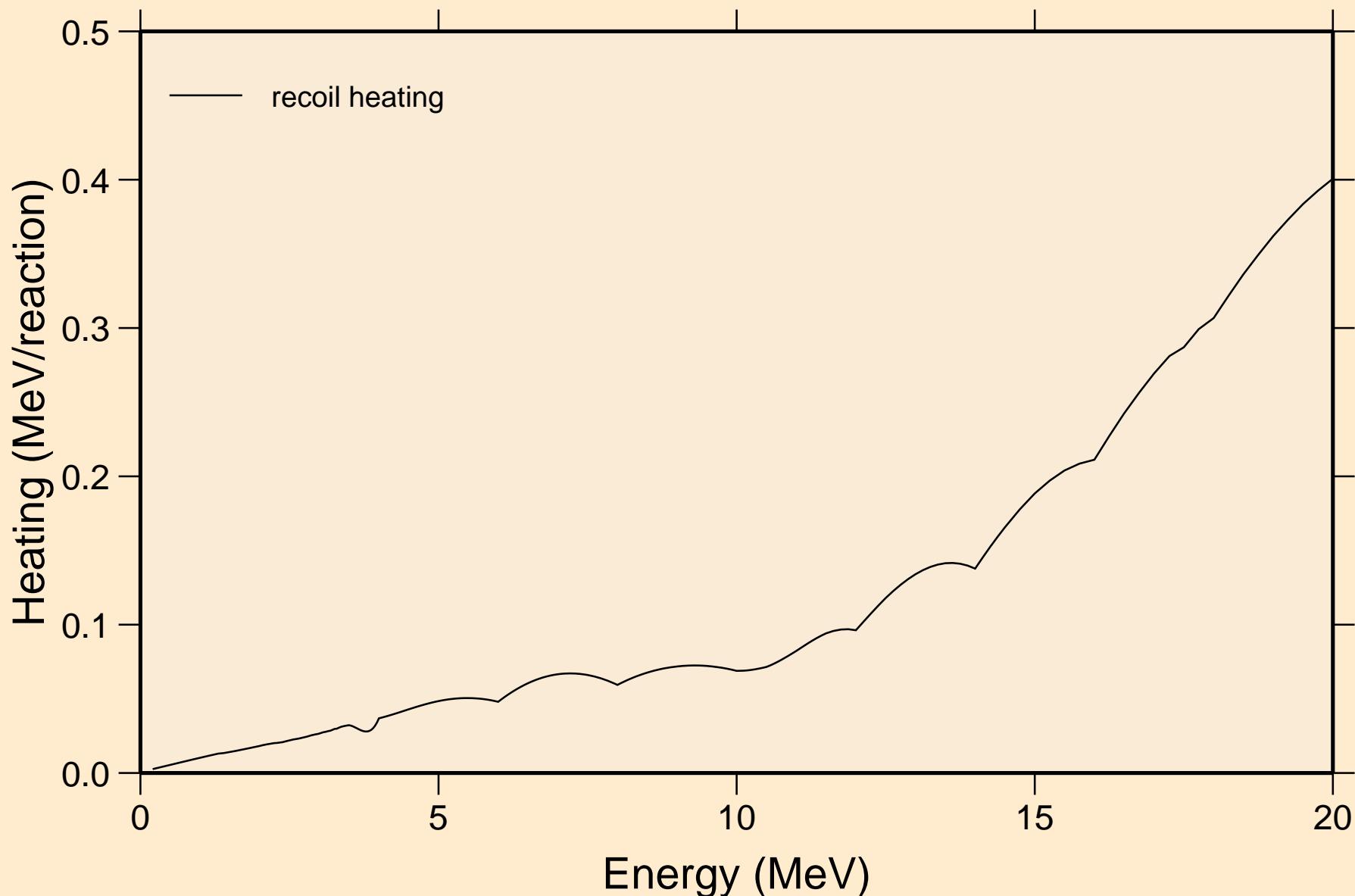
# JENDL-4 SN-116

## Particle heating contributions



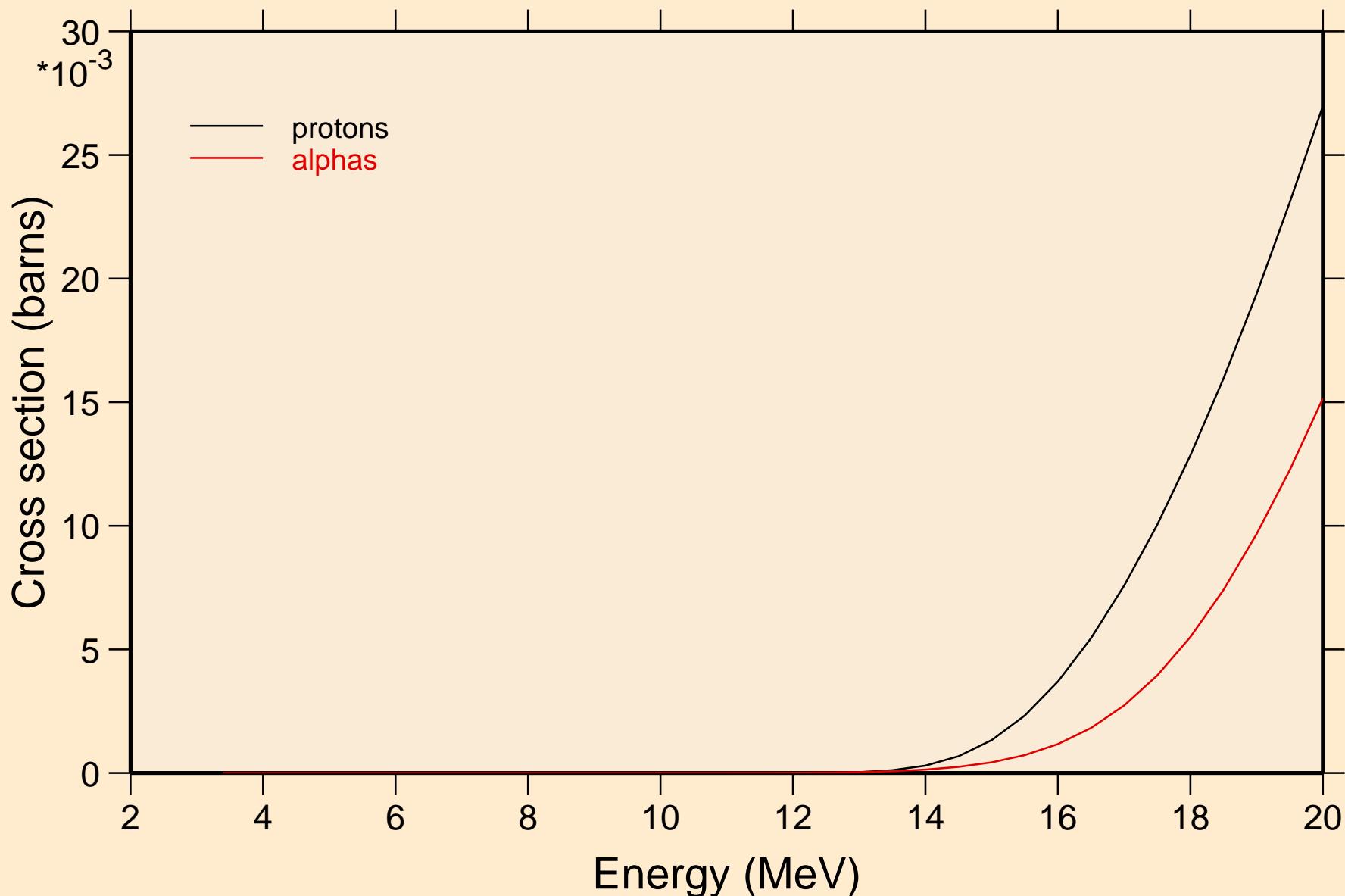
# JENDL-4 SN-116

## Recoil Heating

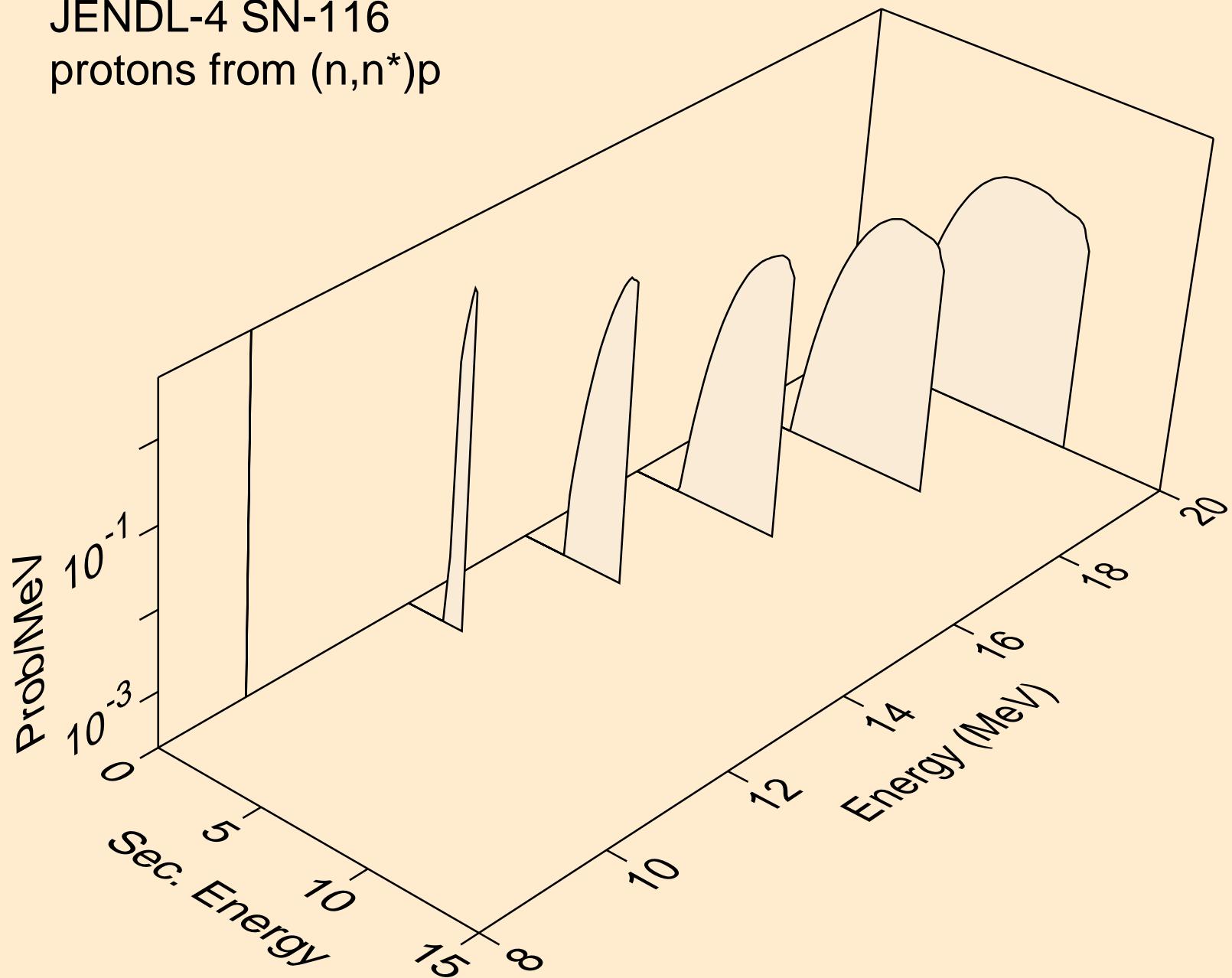


# JENDL-4 SN-116

## Particle production cross sections



JENDL-4 SN-116  
protons from  $(n,n^*)p$



JENDL-4 SN-116  
alphas from  $(n,n^*)a$

